VIDEO, SECURITY & BEYOND

HikCentral

PRODUCT GUIDE | WINTER 2023-2024

ADI
a resideo company

HIKVISION®

VIDEO, SECURITY & BEYOND

About Hikvision

Driving Innovation

Hikvision continues to deliver cost-effective, innovative technological advances to the marketplace to expand security capabilities, supporting dealers and protecting end users and the community. From our unique TandemVu cameras featuring 24/7 ColorVu full-color technology with a bullet and PTZ in one unit, to AI-driven cameras with advanced analytics such as multi-target detection, perimeter protection, license plate recognition, and more, we continue the rapid expansion of our portfolio. This includes a wide range of ColorVu cameras, like our analog and IP camera kits, and industry-leading Smart Hybrid Light Cameras. Our robust HikCentral VMS, PoE switches, and a broad selection of access control systems complement these products to provide "Video, Security and Beyond." Hikvision's strong team of professionals is here to support you and is backed up by new tools such as our dedicated YouTube technical support channel.

Contents

Smart Hybrid Light Cameras with ColorVu

Elevate your security with Hikvision's ColorVu Smart Hybrid Light Cameras, precisely engineered to enhance overall security performance across diverse lighting environments. This series enables you to experience the perfect blend of robust hardware, versatile software capabilities, and seamless integration with the Hikvision Embedded Open Platform (HEOP) for third-party applications.

Our innovative, intelligent technology delivers unparalleled reliability and scalability. Intelligent, adjustable lighting enables systems integrators and installers to unlock greater success in various markets. Discover how these formidable cameras can be a cost-effective, critical solution for your next installation. Unlock the full potential of Hikvision's ColorVu Smart Hybrid Light Cameras today and redefine security standards for tomorrow.

Immerse yourself in razor-sharp, high-definition imagery with resolutions up to 4K. Our innovative technology ensures consistently clear imaging, capturing every detail with absolute precision. Elevate your monitoring experience with extended full-color capabilities, providing an enhanced, vibrant visual experience like never before.

Select the perfect lighting mode tailored to your environment. Experience vibrant 24/7 full color, crisp IR (black and white), or adaptive Smart Mode. In Smart Mode, the camera remains in IR, intelligently switching to color imaging upon capturing critical event-triggered details. Elevate your installation with the ultimate versatility and precision.

HOW SMART HYBRID LIGHT WORKS

In the absence of a vehicle or person, the camera uses only IR light.
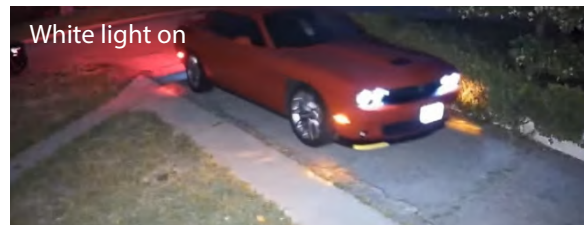
When a vehicle or person is detected, white light is automatically triggered on, resulting in vivid color imaging with clear details.

Once the vehicle or person leaves, the cameras switch back to IR light automatically.

Panoramic ColorVu

The Hikvision Panoramic Camera with ColorVu applies the pioneering, pixel-level image registration technology, which can prevent image loss, twisting, or distortion of the picture. With conventional image fusion algorithms, the image provides varying brightness and color rendition performance with an obvious seam. Hikvision's pioneering image fusion algorithm can process different lighting conditions for two lenses, providing a smooth and seamless fusion performance, perfect for displaying a complete, detailed color picture.

FEATURES

- Outstanding 4K (5120×1440) UHD or 6 MP(3632 × 1632) Resolution Options with Dual Lens
- Delivers Image Clarity for Both Dark and Light Areas with 130 dB WDR
- Broad Views with 2 Fixed Focal Lens and 180° Horizontal View
- Gain Effective False Alarm Reduction with AcuSense 2.0 Technology
- Proactive Deterrence with Audio and Strobe Light Features

APPLICATIONS

Wide Outdoor Areas

Large Warehouses
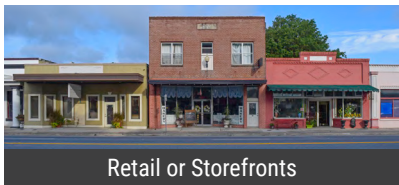
Retail or Storefronts

Parking Lots

License Plate Recognition

DOME LPR Camera HX-DL7547PHY

Hikvision's 7-Series License Plate Recognition (LPR) Dome Cameras can identify vehicle license plates and direction, simplifying vehicle management for businesses and a range of other applications. Hikvision LPR cameras deliver full-color video and images thanks to its innovative ColorVu technology.

FEATURES

- DeepinView
- High quality imaging with 4 MP resolution
- Excellent low-light performance via ColorVu technology
- Efficient H.265+ compression technology to save bandwidth and storage
- Clear imaging against strong back light due to 140 dB true WDR technology

- 5 streams to meet a wide variety of applications
- Water and dust resistant (IP67) and vandal proof (IK10)
- Unique PTRZ capability for efficient installation

SIMPLIFIED INSTALLATION & EASY MAINTENANCE

Faster
Easily adjust the viewing angle remotely from the webpage

Flexible
Motorized, long-range lens from 2.8-12mm

Cost-efficient
Stable structure reduces maintenance costs

Remotely adjust the viewing angle on the webpage

TandemVu PTZ

HFOV 190° | 80° +- VFOV
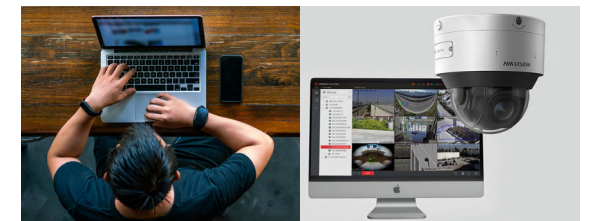
ColorVu

Hikvision TandemVu PTZ is an all-in-one design Industry-leading dual-screen splicing technology with Smart linkage ability. The TandemVu PTZ will quickly obtain details of the target in the panoramic view. Panoramic details are taken into account, the field of view is not lost after the PTZ is enlarged, and the overall situation can still be viewed through the global view. This greatly increases the field of the panoramic view. The camera and PTZ are combined at the factory, and installation only needs one time while the device requires only one IP address.

APPLICATIONS

Industrial Parks

Schools

Campuses

Parking Lots

Crosswalks

Expressways

FEATURES

- Captures a large area and specific details at the same time
- High-quality imaging with 4 MP or 6 MP resolution for bullet channel and 4 MP Resolution for PTZ
- 24/7 colorful imaging and excellent low-light performance with Power by DarkFighter or DarkFighter technology
- Panoramic channel tilt adjustable from 12° to 24° (Only 8-inch 190° TandemVu PTZ)
- Secures an expansive area with 25 x / 32 x / 42 x optical zoom and 16 x digital zoom
- Expansive night view with up to 30 m white light distance and up to 300 m IR distance
- Supports AcuSense and Deep learning functions respectively
- Water and dust-resistant (IP67) and vandal-resistant (IK10)
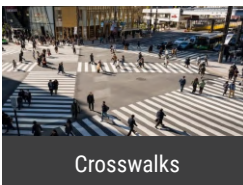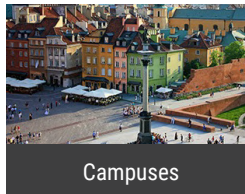
ADVANTAGES OF THE INTEGRATED TANDEMVU DESIGN

- Cost Savings: 1 TandemVu PTZ camera = 1 bullet camera +1 PTZ + 1 strobe light + 1 audio alarm
- Easy Installation: One-time Installation saves labor cost and installation time
- Easy Maintenance: 1 IP address for management

DEEPINVIEW TECHNOLOGY BRINGS INTELLIGENCE AND EFFICIENCY TO THE NEW 8-INCH PTZ

- Perimeter Detection: Dinstinguish persons or vehicles from other moving objects so as to trigger accurate perimeter trespass alarms.
- Multi-Target Type Detection: Support simultaneous detection of persons, faces, and vehicles along with their detailed features.

Solar-Powered Security Camera System

Many critical facilities and assets, such as farmland, parks, and other sprawling sites located in rural and hard-to-reach areas need video security, but cabling and other challenges make it difficult. Additionally, users are eager for a fast, flexible security solution with easy setup and removal in many temporary applications such as construction sites. Hikvision's integrated Solar-Powered Solution breaks free from power and network cables, providing a flexible and reliable resource to manage standalone sites, temporary applications, and more.

BENEFITS

• Standalone wireless installation provides the flexibility to safeguard your home, geographically remote areas, or temporary sites
• All-inclusive system has complete set of components for mobility with a sturdy weatherproof design to withstand heavy rains and weather
• Environmentally sustainable and powered by the sun for daytime and night-time operation
• ColorVu cameras provide unmatched security by illuminating poorly lit areas and providing 24/7 full color imaging, reducing risk and improving safety
• Some models with the 2nd Gen AcuSense use a built-in algorithm to support multiple Video Content Analytics (VCAs) for human and vehicle classification to distinguish between humans, vehicles, and other objects to reduce false alarms up to 90%
• Some models are able to connect to the Wireless Bridge for data transmission (up to 9.3 miles or 15 km) without an extra data fee

APPLICATIONS

Construction Sites

Outdoor Special Events/ Large Venues

Rural Residential

Farm / Ranch

Parks and Sports Fields

WIRELESS SOLUTION TOPOLOGY

MONITORING CENTER

M NVR

HIKCENTRAL PROFESSIONAL 2.4.1

SWITCH

INTERNET

BASE STATION

SITE 1	SITE 2	SITE 3	SITE 4	SITE 5
SOLAR-POWERED 4MP COLORVU BULLET KIT	SOLAR-POWERED VARI-FOCAL BULLET KIT	SOLAR-POWERED 4K BULLET KIT	SOLAR-POWERED LPR KIT	4K SOLAR CAMERA KIT
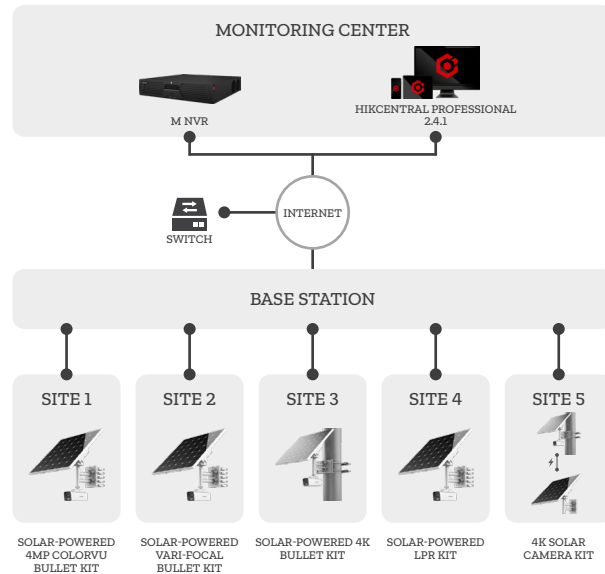
WIRELESS BRIDGE SOLUTION TOPOLOGY

MONITORING CENTER

M NVR

HIKCENTRAL PROFESSIONAL 2.4.1

SWITCH

INTERNET

WIRELESS BRIDGE

SITE 1	SITE 2	SITE 3	SITE 4
2 SERIES LOW POWER CONSUMPTION CAMERAS	3 SERIES LOW POWER CONSUMPTION CAMERAS	LOW POWER CONSUMPTION 4K SOLAR BULLET CAMERA KIT	LOW POWER CONSUMPTION THERMAL CAMERA
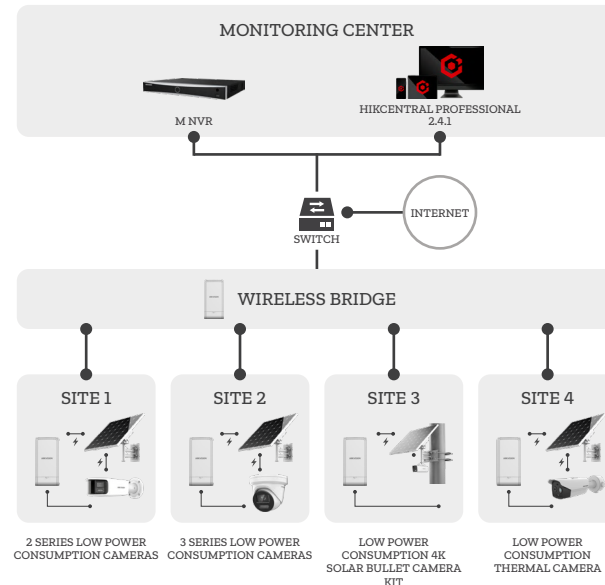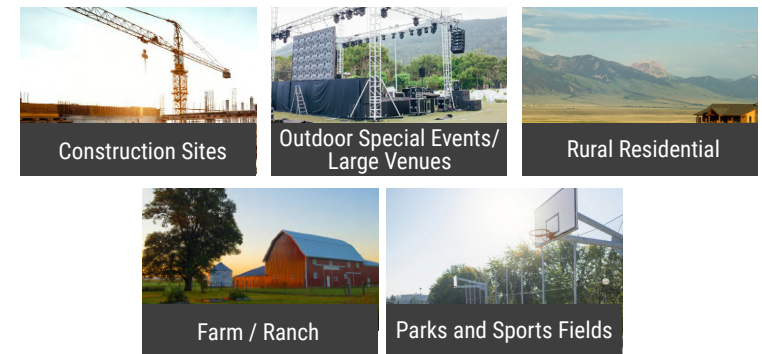
PoE Network Switches

HX-SW1105PEI   HX-SW1318PEI
HX-SW1309PEI   HX-SW1326PEI

HX-SW1510PSI   HX-SW1526PSI
HX-SW1518PSI   HX-SW1552PSI

HX-0505HIPOE   HX-0520HIPOE
HX-0510HIPOE   HX-0524HIPOE

**Hi-PoE power supply only available in Hi-PoE Unmanaged Switches Series

**Topology and direct camera pre-view with PTZ control only available in Smart Managed Switches Series

Hikvision PoE switches bring great convenience to security installation and monitoring management. Switches are optimized for video security and deliver intelligent features.

Visual: See health status, alerts, live views, and configuration from a simple dashboard.
Powerful: Up to 90W per port and distances up to 984 feet.
Convenient: Easy switch deployment saves time and money with simplified installation.
Secure: Auto-restart cameras once they are detected offline.
Performance: Rich management features such as VLANs, QoS, port bandwidth controls, and more deliver effective functionality.

SI AND EI SMART MANAGED NETWORK SWITCHES

Hikvision SI and EI Smart Managed Switches offer unique features such as Visualized Topology, Network Health Monitoring, and Real-Time alarms with either iVMS-4200 or HikCentral. These features can greatly reduce network downtime, allowing network administrators to quickly isolate an issue and make it easier to repair and maintain.

FEATURES

- Visual Topology Management
- Network Health Monitoring
- Real-Time Alarm and Device Status
- IP Camera Preview and Control

- Extended Mode up to 984 ft
- Up to 6kV Surge Protection
- POE Watchdog

HikCentral Professional VMS

HikCentral Professional, Hikvision's software platform for integrating and managing security systems, is designed to meet a variety of security challenges in one place. On the platform, you can manage individual systems such as video security, access control, security alarms, and more, as well as explore cross-system functionalities. While facilitating protection of people and property, it makes daily operations more efficient and helps a variety of users make smarter decisions.

System Architecture

01/ Light and efficient

HikCentral Professional employs a lightweight architecture that features a reduced consumption of system resources. It is capable of managing systems of varying size with consistent efficiency.

02/ Unified and flexible

The platform supports assembling various application plug-ins under a unified, on-demand architecture for collaboration across business segments. What's more, new plug-ins can be constantly developed to meet new business needs.

03/ Integrated and open

The platform is compatible with virtually all Hikvision products and their rich applications, including deep-learning-based analytics and statistics. The platform's open architecture permits easy integration with 3rd-party systems (OpenAPI/Database) and hardware (ONVIF).

FEATURES

- Active Directory Integration with LDAP
- Powerful Video Search and Playback
- Highly Accurate Thermographic
- Density Control by People Counting
- Visual Tracking
- Intuitive Fisheye View Expansion and PTZ Controls
- Centralized Evidence Management
- Low Bandwidth Adaptability
- Powerful Map Integration
- Access Control Management
- Visitor Management

- Video Intercom Management
- Intrusion Radar Management
- Dock Station Management
- Dynamic Smart Walls with Graphics Cards and Decoding Devices
- License Plate Recognition Management
- Under Vehicle Surveillance System (UVSS)
- Device Maintenance with Batch Upgrading
- Health Monitoring and Audit Trail Assist Maintenance
- Automated Event, Alarm and Business Intelligence Reports
- Third-Party Integration with OpenSDK or HikCentral Optimus Middleware
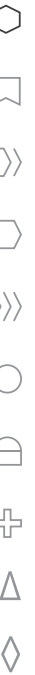
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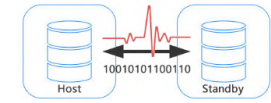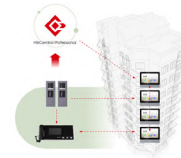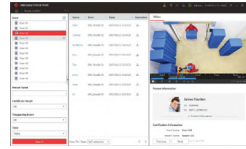
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MODEL	HX-CMSBD32 HX-CMS64BHW HX-CMS300BHW	HikCentral-ACS-Base/2Door HikCentral-ACS-Base/16Door	HikCentral-VideoIntercom-Base	HikCentral-RSM-Base/2Site HikCentral-RSM-Base/HW/E3/2Site (w/ server)	RoseReplicatorPlus For Windows(USBKEY1) RoseReplicatorPlus For Windows(USBKEY3)
PRODUCT TYPE	Software License /HW: Includes Server	Software License	Software License	Software License /E3: Includes Server	High Availability Software
LICENSE TYPE	Video Surveillance System Base	Access Control System Base	Software License	Remote Site Management Base	USB Key
FUNCTION	Central Management of Video Surveillance Systems	Central Management of Access Control Systems	Central Management of Video Intercom	Central Management of Multiple HikCentral Servers	Ensure System Availability
SERVER SPECIFICATIONS	Software: None (Requires server or VM) Microsoft® Windows Server 2019, Intel® Xeon® E2124, 16GB DDR4, 1TB×2 in RAID 1, 1GbE×2, 1U, 2-year Platinum Service	None (Requires server or VM)	None (Expansion license on Video Surveillance System Base / Access Control System Base)	Software: None (Requires server or VM) Microsoft® Windows Server 2016, Intel® Xeon® E2124, 16GB DDR4, 1TB×2 in RAID 1, 1GbE×2, 1U, 2-year Platinum Dell Service	None (Use on HikCentral servers)
LICENSED DEVICES	Bundle: 32 Cameras + 4 Access Point (/HW)/64Ch: 64 Cameras (/HW)/300Ch: 300 Cameras	/2Door: 2 Access Points /16Door: 16 Access Points	2 Access Points + 10 indoor stations	2 HikCentral CMS Servers	One Standby Server
CAMERA CHANNEL CAPACITY	3,000/Server 10000/server with E5 high performance	0	0	Software: 100,000 /E2124: 18,000	Description High availability software to implement a standby server for one or more HikCentral host servers and ensure the CMS system remains operational even when the host server is down. RoseReplicator Plus is the preferred high availability solution for HikCentral servers where maximal uptime is important. Purchase Options (USBKEY1): 1 Year Warranty (USBKEY1): 3 Year Warranty
ACCESS POINT CAPACITY	0 (4 with bundle license)	1024	0	1024 (current site)	
HIKCENTRAL USER CAPACITY	3,000	3,000	3,000	3,000	
EXPANSION LICENSE	HikCentral-VSS-1Camera	HikCentral-ACS-1Door	HikCentral-VideoIntercom-1Indoorstation (Indoor station) HikCentral-ACS-1Door(Access Point)	HikCentral-RSM-1Site	
ADD-ON MODULES	Please visit: https://tools.hikvision.com/hcpOrderTool/?lan=en&toolId=TS20220112252#/ for license selection matching functions needed				

EXPANSION LICENSES	**DESCRIPTION**
HikCentral-VSS-1Camera	Add one camera to VSS base. Orders of multiple camera licenses are provided as one individual license key.
HikCentral-ACS-1Door	Add one door/access point/Intercom door station to ACS base. Orders of multiple door licenses are provided as one individual license key.
HikCentral VideoIntercom-1Indoorstation	Add one indoor station to video intercom base license. Orders of multiple intercom licenses are provided as one individule license key.
HikCentral-RSM-1Site	Add one HikCentral site to RSM base. Orders of multiple site licenses are provided as one individule license key.

ADD-ON MODULES	**DESCRIPTION**
HikCentral-P-SmartWall-Module	VSS add-on smart wall module for integrated video wall management using Hikvision decoders or video wall controllers or built-in graphics cards in the server.
HikCentral-ANPR-Module	VSS add-on business intelligence module for license plate management
HikCentral-P-BI Report-Module	VSS add-on business intelligence module for statistical data reporting from Hikvision people counting, queue analysis and heat mapping cameras without channel limitation.
HikCentral-P-Visitor-Module	ACS add-on attendance module enables visitor management feature such as visitor registration, Access permission assignation, Visitor log search, etc.
HikCentral-P-Attendance-Module	ACS add-on attendance module enables personnel shift management and attendance reporting functionality for HikCentral 1.2 or later using access control devices.
HikCentral-P-IPSpeaker-1Unit	Add one IP Speaker to enable the functionality of doing message broadcast and pre recorded audio notifications
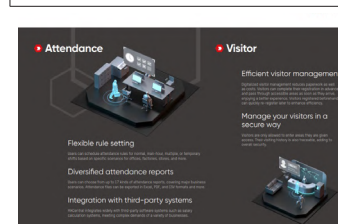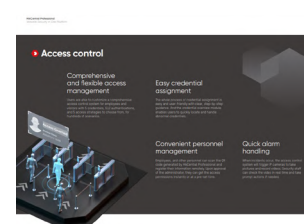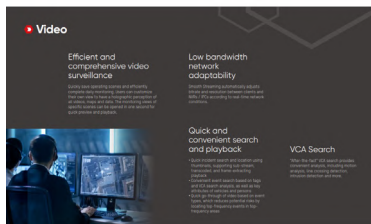
iVMS-4200 Client Software for Microsoft Windows: No Licensing Fee

iVMS-4200 Client Software is a versatile video management client for Hikvision DVRs, NVRs, IP cameras, encoders, access control devices, video intercom devices, VCA devices, etc. It provides multiple functionalities, including real-time live view, video recording, video footage search and playback, event and alarm receiving, for the connected devices to meet the needs of small and medium sized projects.

With the flexible structure and easy-to-use interface, the iVMS-4200 Client can be applied to a wide range of surveillance projects.

SOFTWARE SPECIFICATIONS

Model	iVMS-4200 V3.8.0.4_E for Windows
Data-base	Client Database	SQLite (encrypted)
	Third-Party Database	Microsoft® SQL Server® 2008 and above, MySQL V5.0.45 and above
Supported Language		Arabic, Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Korean, Lithuanian, Norwegian, Polish, Portuguese, Portuguese (Brazil), Romanian, Russian, Serbian, Simplified Chinese, Slovak, Slovenian, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Ukrainian, Vietnamese

Client	General	User	50 users and one super user
		E-map	256
		Encoding Device	256
		Group	256 groups
			256 channels for each group
		Channel	256 channels for all groups
		Storage Server	16
		Abnormal Event Detection	64 Tasks
		Abnormal Event Detection in One Group	64 Tasks
	Video	Live View Channel	64-ch live view at a time on one screen
		Auxiliary Screen Preview	One main screen and 3 auxiliary screens for live view
		Playback	16-ch playback at a time
		Synchronous Playback	16-ch synchronous playback
		Download	16-ch downloading tasks at a time
	Access Control	Organization	10 levels
		People	2,000
		Fingerprint	5,000
		Cards	5,000
		Access Group	128
		Access Point (Doors/Floors)	50
		Template	255
		Video Intercom Devices (Door Station, Indoor Station, Master Station)	256
		Shift	32
		Time and Attendance Data	The retention period of attendance results and retention period of original records depend on the HDD capacity and amount of the data generated during usage
	Security Control	Security Control Panel	16
		Security Radar	8

SYSTEM RECOMMENDATIONS

Features	Requirements
Operating System	Microsoft® Windows 7 SP1 and above (32-bit or 64-bit) Microsoft® Windows 8.1 (32-bit or 64-bit)
	Microsoft® Windows 10 (32-bit or 64-bit)
	Microsoft® Windows 11 (32-bit or 64-bit)
	Microsoft® Windows Server 2008 R2 and above (32-bit or 64-bit) Micro-soft® Windows Server 2012 R2 and above (32-bit or 64-bit)
CPU	Intel® Core™ i3 Processor and above
Memory	4 GB and above
Resolution	1280×768 and above

IVMS-4200 CLIENT SOFTWARE FOR APPLE MACOS – NO LICENSING FEE

The iVMS-4200 for macOS is now a 64-bit version 2.0 with a new user interface, and new capabilities including Hik-Connect P2P support, thermal camera support, ATM/VCA/POS playback and more. There are modules for live view, playback, event management, and e-maps. It's suitable for Mac users needing to manage small-scale Hikvision video surveillance systems.

System Requirements	Hardware	Mac
	Operating System	macOS 10.12 and above (64-bit), intel CPU
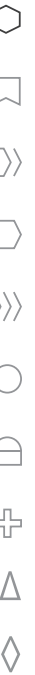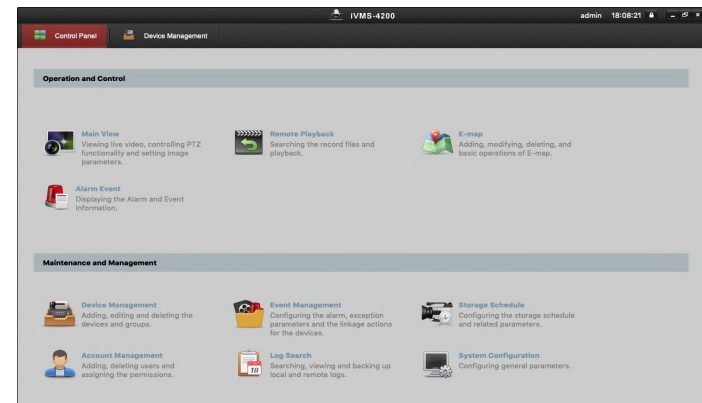
Hik-Connect P2P/DDNS Platform and Mobile App

Quickly and securely set up your video security and intercom systems for remote viewing on Android and Apple smartphones and tablets using the Hik-Connect mobile app (Windows and Mac computers can use the iVMS-4200 client software). Hik-Connect allows users to stay in touch with their home and business even when away with live video, event notifications, two-way audio communication, door intercom answering and unlocking, and video playback. Below, see a comparison of the cloud peer-to-peer (P2P) and dynamic domain name system (DDNS) services provided for free by Hik-Connect.

HIK-CONNECT SERVICE	CLOUD P2P	DDNS
Live Views	16-ch/page, 256-ch/group	16-ch/page,256-ch/group
Multi-Playback Limit	4-ch	4-ch
Streaming Limit	5 min/play	Unlimited
Anonymous Usage	√	√
Hik-Connect App Support	√	√
iVMS-4200 Support	√	√
HikCentral Support	X	√
Web Browser Support	X	√
No Port Forwarding	√	X
Device Sharing Management	√	X

SCAN TO GET APP

SmartPro IP Cameras

DEEP LEARNING, INTRINSIC INNOVATION
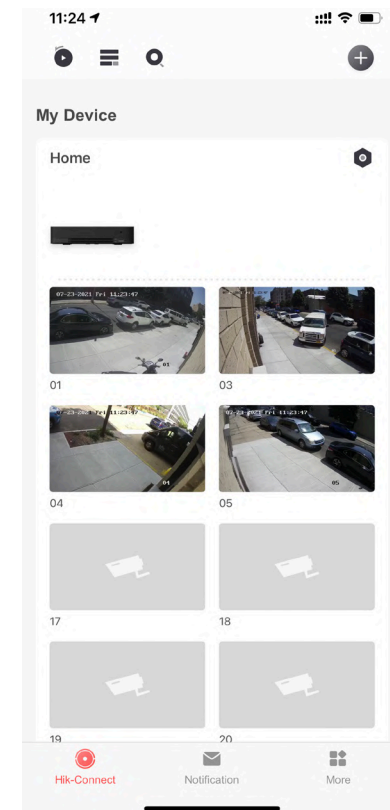
Hikvision Smart Pro IP solutions include a wide array of products for professional applications. Enhanced with Hikvision smart technologies, Hikvision's smart IP and PTZ cameras, specialty stainless steel cameras and PanoVu multi-sensor cameras, thermal solutions, the HikCentral central management system, and Smart NVRs—are all designed to deliver intelligent security for the modern marketplace. Whether you're securing a large facility or a small or mid-sized business, you will find the most advanced products in the Smart Pro IP product offering.

BENEFITS

- Quickly focus on the target in the field of view, and the picture remains continuously clear
- Ultra-long lifespan withstood 8 million rotation tests
- Combined with intelligent algorithms to automatically track the specified target
- View target details from a long distance with easy viewing both nearby and faraway
- Continuously see targets at different distances and angles with continuous clear images
- Durable rotation tested 8 million times with a guaranteed long lifespan
- No manual control is needed by the administrator to control the dome camera rotation since the camera automatically captures the specific target trajectory for better efficiency

FEATURES

- High performance, fully loaded project cameras with up to 140 dB WDR (Wide Dynamic Range)
- Up to 32 MP in PanoVu multi-sensor cameras, with lenses ranging from fixed to 50x optical zoom PTZ cameras
- Multiple form factors, including indoor/outdoor dome, bullet, fisheye, covert, upright PTZ, stainless steel and 360-degree panoramic view domes
- Thermal cameras with low, medium and high resolutions and accurate fire detection
- Affordable priced Performance Series Thermal models enhance any application, and they include unique features such as picture-in-picture, image fusion and temperature monitoring
- Smart analytics add to the high-performance capabilities and include line crossing, intrusion, region entrance and exit, unattended baggage, object removal, scene change, sudden audio increase/decrease, audio loss, object counting, defog and LPR (license plate recognition).

APPLICATIONS

| Parking Lots | Industrial Applications | Construction Sites |

	NETWORK CAMERA	NETWORK CAMERA	NETWORK CAMERA	NETWORK CAMERA	NETWORK CAMERA
MODEL	HX-FE6365EIS HX-FE6365EVS HX-FE63C5ES HX-FE63C5EVS	HX-FE63C5S HX-FE63C5VS	HX-FE6365ERC HX-FE63C5ERC	HX-FE6W45G0	HX-CV6425HS
FORM FACTOR	Fisheye	Fisheye with Immervision Lens	Fisheye Indoor Recessed Mount	Full-coverage Corner Camera	Covert (Base & Lens) + Height Strip
MEGAPIXELS	6/12 MP	12 MP	6/12 MP	4 MP	2 MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	6 MP: 1/1.8 12 MP: 1/1.7	12 MP: 1/1.7	6 MP: 1/1.8 12 MP: 1/1.7	1/2	1/2.8"
LENS (FOV H X V)	6 MP: 1.27 mm (360°) @ ƒ/2.6 12 MP: 2mm (360°) @ ƒ/2.8	12 MP: 1.29 mm (360°) @ ƒ/2.8	6 MP: 1.27 mm (360°) @ ƒ/2.6 12 MP: 2mm (360°) @ ƒ/2.4	Horizontal FOV 135° (corner mount)	-20 L-Shape Pinhole Lens: 3.7 mm: @ ƒ/2.5, H 75.5°, V 41.6°
DAY/NIGHT, BLC, WDR	6 MP: True, Yes, Digital 12 MP: True, Yes, Digital	True, Yes, Digital	True, Yes, Digital	True, Yes, Digital	True, Yes, 120 dB
IR RANGE MAX (METERS)	15	15	-	Up to 10 m IR range, 1 LED	-
VIDEO COMPRESSION	H.265+/H.265//H.264+/H.264/MJPEG	H.265+/H.265//H.264+/H.264/MJPEG	H.265+/H.265//H.264+/H.264/MJPEG	H.265+/H.265//H.264+/H.264/MJPEG	H.265+/H.265//H.264+/H.264/MJPEG
MAX. IMAGE RESOLUTION (PIXELS) AND FRAME RATE	6 MP (3072×2048) 12 MP (4000×3000)	12 MP (4000×3000)	6 MP (3072×2048) 12 MP (4000×3000)	4 MP (2400x1800), 30	2 MP (1920×1080), 30
AUDIO INPUT/OUTPUT	Built in mic/audio in, Speaker/audio out	Built in mic/audio in, Speaker/audio out	1 Audio input (line in, 3 5 mm), 1 audio output (line out, 3.5 mm); 2 built-in microphones, mono sound	1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm); Built in mic/No speaker	IN: 1 Line In OUT: 1 Line Out
ALARM INPUT/OUTPUT	1/1	1/1	1/1	1/1	1/1
RATINGS		-V model: IP67, IK10	-	IP67, IK10+(50J), NEMA 4X, UL/cUL Listed	UL/cUL Listed
OPERATING TEMPERATURE RANGE	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-10 °C to +40 °C (14 °F to +104 °F)	-40 to 60 °C (-40 to 140 °F)	-30 to 60 °C (-22 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC, 0.9 A, max. 11 W PoE (802.3af, 36 to 57 V), 0.3 A to 0.2 A, max. 12 W	12 VDC, 0.9 A, max. 11 W PoE (802.3af, 36 to 57 V), 0.3 A to 0.2 A, max. 12 W	12 VDC, 0.5 A, max. 6 W PoE (802.3af, 36 to 57 V), 0.3 A to 0.2 A, max. 12 W	12 VDC, PoE (802.3af), 12 W	12 VDC/PoE (802.3af), 3.5 W
BRACKETS	CB-FE, AB-FE, PC-FE			corner mount bracket included	Included

	SOLAR-POWERED CAMERA	SOLAR-POWERED CAMERA		SOLAR-POWERED KIT		WIRELESS BRIDGE
MODEL	HX-X2T47G1H	HX-6A87G1SF2	**MODEL**	HX-X6K01C36	**MODEL**	HX-3WF02C5AC
FORM FACTOR	Outdoor	Outdoor			**DIMENSION**	Switch up or down to set the device as AP or CPE.
MEGAPIXELS	4 MP	8 MP	**DIMENSION**	640.4 mm × 735.9 mm × 760 mm (25.21" × 28.97" × 29.92") (Max. size after it is completely assembled)		
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	1/1.8"	1/1.2"			**PACKAGE DIMENSION**	132 mm × 228 mm × 91 mm (5.19" × 8.97" × 3.58")
MIN. ILLUMINATION (LUX)	Color: 0.0005 lux @ f/1.0 B/W: 0 with IR	Color: 0.0005 lux @ f/1.0 B/W: 0 with IR	**PACKAGE DIMENSION**	862 mm × 352 mm × 762 mm (33.9" × 13.9" × 30")		
LENS	4 mm @ ƒ/1.0	2.8 mm @ ƒ/1.0			**WEIGHT**	0.307 kg (0.677 lb)
FOV (H X V)	H 95°, V 51°	2.8mm @ H 101°, V 52.4°	**WEIGHT**	Approx. 24 kg (52.9 lb.)		
DAY/NIGHT, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB			**MAX. TRANSMISSION RATE OF AIR INTERFACE**	≤ 867 Mbps
SUPPLEMENT LIGHT TYPE	White light	White light	**BATTERY TYPE**	Lithium		
SUPPLEMENT LIGHT RANGE	Performance mode: up to 98 ft (30 m) Proactive mode: up to 33 ft (10 m)"	Performance mode: up to 98 ft (30 m) Proactive mode: up to 33 ft (10 m)	**CAPACITY**	360 WH (90 WH for each battery)	**WIRELESS STANDARD**	IEEE 802.11/a/n/ac
VIDEO COMPRESSION	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	**BATTERY VOLTAGE**	10.8 V	**WORKING FREQUENCY**	5180 to5240 Mhz...5745 to 5825 Mhz
MAX. IMAGE RESOLUTION (PIXELS)	4 MP (2688 × 1520) 15 fps	8 MP (3840 × 2160) 15 fps				
PIR ANGLE	Horizontal: 100°, vertical: 80°	-	**OPERATING TEMPERATURE**	Charging: -20 °C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F)	**OPERATING TEMPERATURE**	-30°C to 70°C (-22°F to 158°F)
PIR RANGE	Up to 49 ft 2 in (15 m)	-				
MOTION DETECTION	YES	YES				
LOCAL STORAGE	microSD card up to 256 GB Built-in 64 GB eMMC storage (50 GB available for recording)	microSD card up to 256 GB Built-in 64 GB eMMC storage (50 GB available for recording)	**BATTERY LIFE**	More than 500 cycles	**TRANSMITTING POWER**	22 dBm
OPERATING TEMPERATURE RANGE	-20° to 50° C (-4° to 122° F)	-20° to 60° C (-4° to 131° F)	**BATTERY WEIGHT**	Approx. 2.74 kg (6.0 lb.) (0.685 kg (1.5 lb.) for each battery)	**NETWORKING MODE**	Point-to-Point, Point-to-Multipoints (less than 4 points recommended)
SOLAR PANEL	40 W	80 W				
BATTERY	Modular, 90 WH x 2 (180W total)	Modular, 90WH x 4 (360W total)	**RS-485**	1 RS-485 (half duplex, connect to Solar Power 4G Network Camera Kit)	**CPE/AP DIP SWITCH**	Switch up or down to set the device as AP or CPE.
CYCLE LIFETIME	Performance mode: 3.6 day; Proactive mode: 6 day; Standby mode: 30 days	Performance mode: 5 day; Proactive mode: 7 day; Standby mode: 80 days	**POWER OUTPUT**	9 to 12.6 VDC, max. 30 W , 2 × Ø5.5 mm coaxial power plugs	**POWER SUPPLY**	12 VDC/1 A Passive PoE; 12 VDC, 1 A

MODEL	HX-OD6D42G28 HX-OD6D42G04 HX-OD6D42G06	HX-OD6D52G02 HX-OD6D52G04 HX-OD6D52G06	HX-OD6D82G02 HX-OD6D82G04 HX-OD6D82G06	HX-OD6D54G1I	HX-OD6D54G1R	HX-OD6D24IZH	HX-OD6D54IZH	HX-OD6924G02	HX-OD6944	HX-OD6984	HX-PT3326IZD	HX-DP3236ZIX
FORM FACTOR	Outdoor	Outdoor	Outdoor	Outdoor	Indoor - Recessed Mount	Outdoor	Outdoor	Outdoor	Outdoor	Indoor	Indoor	Outdoor
MEGAPIXELS	8 MP (2×4 MP)	10 MP (2×5 MP)	16 MP (2×8 MP)	20MP	20MP	8 MP (4×2 MP)	20 MP (4×5MP)	8 MP (4×2 MP Stitched or Separate)	16 MP (4×4 MP Stitched or Separate)	32 MP (4×8 MP Stitched or Separate)	8 MP (4×2 MP)	32 MP (8×4 MP)
MIN. ILLUMINATION (LUX)	Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	Color: 0.009 lux @ (f/1.6, AGC on), B/W: 0.0018 lux @ (f/1.6, AGC on), 0 lux with IR	Color: 0.056 lux @ (f/2.0, AGC on), 0 lux with IR	Color: 0.0125 lux @ (F1.9, AGC ON); B/W: 0.0025 lux @ (F1.9, AGC ON) 0 lux with IR	Color: 0.0125 lux @ (F1.9, AGC ON); B/W: 0.0025 lux @ (F1.9, AGC ON)	Color: 0.01 @ f/1.6, AGC on B/W: 0.003 @ f/1.6, AGC on -I: B/W: 0 with IR	Color: 0.01 @ f/1.6, AGC on B/W: 0.003 @ f/1.6, AGC on -I: B/W: 0 with IR	Color: 0.003 @ f/1.8 B/W:0 with IR	Color: 0.009 @ f/1.8 B/W:0 with IR"	Color: 0.018 @ f/1.2, 0.001 @ f/1.2	Fixed Sensors: Color: 0.05 @ f/2.0 PTZ: Color: 0.05 @ f/2.0	Color: 0.0005 Lux @ f1.6 B/W: 0.0001 Lux @ f/1.6
LENS	2.8 mm @ f/1.6 4 mm @ f/1.6 6 mm @ f/1.6"	2.8 mm @ f/1.6 4 mm @ f/1.6 6 mm @ f/1.6	2.8 mm @ f/2.0, 4 mm @ f/2.0, 6 mm @ f/2.0	Four 2.8 to 8 mm	Four 2.8 to 8 mm	2.8 to 12 mm	2.8 to 12 mm	2.8 mm	2.8 mm	2.8 mm	Fixed: 2 mm PTZ: 2.8 to 12 mm	Panoramic: 5 mm PTZ: 5.6 to 208 mm
HORIZONTAL ANGLE OF VIEW	H 98.2°, V 54.2° H 78.8°, V 40.5° H 49.1°, V 26.3°	H 97°, V 70° H 79°, V 57° H 49°, V 35°	H 103°,V 53°, H 79°, V 41°, H 50°, V 27°	H 100° to 49°, V 72° to 36.4°	H 100° to 49°, V 72° to 36.4°	30° to 96.3° per sensor	30° to 101° per sensor	180° Stitched	180° Stitched	180° Stitched	128.5°×3 per fixed sensor	360°
PAN/TILT/ROTATION	Pan: -90° to 90°, tilt: 0° to 60° R: 0° to 355°	Pan: -90° to 90°, tilt: 0° to 60° R: 0° to 355°	Pan: -90° to 90°, tilt: 0° to 60° R: 0° to 355°	Pan: -60° to 60°, tilt: 10° to 90°	Pan: -60° to 60°, tilt: 10° to 90°	-180° to 180°/0° to 135°/0° to 355°	-180° to 180°/0° to 135°/0° to 355°	0° to 355°/0° to 90°/-	0° to 355°/0° to 90°/-	0° to 355°/0° to 90°	0° to 350°/0° to 90°/-	360°/-15° to 90°/-
DAY/NIGHT, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, Digital	True, Yes, Digital	True, Yes, Digital	True, Yes, Digital	True, Yes, 120 dB
IR RANGE MAX. (METERS)	30	30	30	30	--	30	30	20	20	20	10	250
VIDEO COMPRESSION	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.264/ MJPEG	H.265+/H.264/MJPEG	H.265+/H.264/MJPEG	H.265+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.264/MJPEG	H.265/H.264/MJPEG	H.265+/H.265/H.264+/ H.264/MJPEG
MAXIMUM IMAGE RESOLUTION (PIXELS)	2x 2688x1520	2x 2560x1920	2x 3840x2160	4x 2560x1920	4x 2560x1920	Fixed: 4x 1980×1080	Fixed: 4x 2560×1920	Stitched Panoramic: 3840x2160	Stitched Panoramic: 3840x2160	Stitched Panoramic; 8160×3616	Fixed: 3x 1920×1080 PTZ: 1x 1920×1080	Panoramic: 5520 x 2400 x 2 PTZ: 2560 x 1440
MOTION DETECTION	2x 2688x1520	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AUDIO INPUT/ OUTPUT	IN: 1 line OUT: 1 line 2 built-in microphones	IN: 1 line OUT: 1 line 2 built-in microphones	IN: 1 line OUT: 1 line 2 built-in microphones	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
ALARM INPUT/ OUTPUT	1/1	1/1	1/1	2/2	2/2	2/2	2/2	2/2	2/2	2/2	-	7/2
LOCAL STORAGE	Built-in MicroSD/SDHC/ SDXC slot, up to 128 GB	Built-in MicroSD/SDHC/ SDXC slot, up to 128 GB	Built-in MicroSD/SDHC/ SDXC slot, up to 128 GB	Built-in MicroSD/ SDHC/SDXC slot, up to 128 GB	Built-in MicroSD/ SDHC/SDXC slot, up to 128 GB	Built-in MicroSD/ SDHC/SDXC slot, up to 128 GB	Built-in MicroSD/SDHC/ SDXC slot, up to 128 GB	Support Micro SD/ SDHC/SDXC card (256G), local storage and NAS (NFS,SMB/CIFS), ANR	Support Micro SD/ SDHC/SDXC card (256G), local storage and NAS (NFS,SMB/CIFS), ANR	Support Micro SD/SDHC/ SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/ SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/ SDXC (up to 256GB)
RATINGS	IP67, IK10 UL/cUL Listed	IP67, IK10 UL/cUL Listed	IP67, IK10 UL/cUL Listed	IP67, IK10 UL/cUL Listed	IP67, IK10 UL/cUL Listed	IP67, IK10 UL/cUL Listed	IP67, IK10 UL/cUL Listed	IP67, UL/cUL Listed,IK10	IP67, UL/cUL Listed,IK10	IP67, IK10 UL/cUL Listed	UL/cUL Listed	IP66, IK10, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)	-10 to 50 °C (14 to 122 °F)	-40 to 60 °C (-40 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC, 0.58A, maximum 7 W PoE: (802.3af, 36 V to 57 V), 0.3 A to 0.2 A, maximum 11 W	12 VDC, 0.9A, maximum 11 W PoE: (802.3af, 36 V to 57 V), 0.3 A to 0.2 A, maximum 11 W	12 VDC, 0.9A, maximum 11 W PoE: (802.3af, 36 V to 57 V), 0.3 A to 0.2 A, maximum 11 W	12 VDC± 20%, reverse polarity protection; three-core terminal block 24 VAC ± 20%; PoE (802.3at, class 4) Hi-PoE 22 W (PoE injector included)	12 VDC± 20%, reverse polarity protection; three-core terminal block 24 VAC ± 20%; PoE (802.3af, class 0) Hi-PoE 22 W (PoE injector included)	12 VDC ±25%, 28 W Hi-PoE 34 W (PoE injector included)	12 VDC ±25%, 28 W Hi-PoE 34 W (PoE injector included)	12 VDC, 1.6 A, max. 24 W PoE (802.3at, 42.5V to 57V)	12 VDC, 1.4 A, max. 24 W PoE (802.3at, 42.5V to 57V)	12 VDC, 1.5A, max. 18 W PoE (802.3at, 42.5V to 57V), 0.6A to 0.4A, max. 25 W	12 VDC & PoE+ (802.3 at, class 4), Max. 24 W (Max. 6 W for IR)	36V DC, Max.150 W - PSU included
BRACKETS	PC-6D CB-6D	PC-6D CB-6D	PC-6D CB-6D			RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	(Pendant cap included) RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	(Pendant cap included) RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	(Pendant cap included) RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	WMP-PM CPM-PM	WMP-PV, RPM

	DarkFighter	DarkFighter	DarkFighter
MODEL	HX-OD61422 HX-OD61424	HX-XE6825G HX-XE6825G8	HX-XE6885G HX-XE6885G8
FORM FACTOR	Anti-corrosion Dome	Explosion Proof Bullet	Explosion Proof Bullet
MEGAPIXELS	4.0	2 MP	8 MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	1/3"	1/2.8"	1/2.0"
MIN. ILLUMINATION (LUX)	Color: 0.01lux @ f/1.2 B/W: 0 with IR	2.8 to 12 mm: Color: 0.012 @ f/1.4 8 to 32 mm: Color: 0.018 @ f/1.7 B/W: 0 with IR	2.8 to 12 mm: Color: 0.012 @ f/1.4 8 to 32 mm: Color: 0.018 @ f/1.7 B/W: 0 with IR
LENS	4mm / 6mm	2.8 to 12 mm @ f/1.4, motorized, autofocus 8 to 32 mm @ f/1.7, motorized, autofocus	2.8 to 12 mm @ f/1.4, motorized, autofocus 8 to 32 mm @ f/1.7, motorized, autofocus
FOV (H X V)	83° / 55.4°	2.8 to 12 mm: 115° to 42° 8 to 32 mm: 43° to 15°	2.8 to 12 mm: 112° to 41° 8 to 32 mm: 42° to 15°
PAN/TILT/ROTATION	0° to 75°/-30° to 30°/0° to 360°	-	-
DAY/NIGHT, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
IR RANGE MAX (METERS)	10	100	100
VIDEO COMPRESSION	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
MAX. IMAGE RESOLUTION (PIXELS)	2560×1440	1920×1080	3840x2160
FRAME RATE (FPS)	24 @ 2560×1440, 1920×1080, 1280×720, 528×384	60 @ 1920×1080, 1280×720	30 @ 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720
MULTI-STREAMING	Triple	5	5
SMART FEATURES	Full Smart Suite1	Full Smart Suite1	Full Smart Suite1
IMAGE ENHANCEMENT	BLC/3D DNR/Defog	3D DNR, HLC, WDR, EIS, Defog	3D DNR, HLC, WDR, EIS, Defog
MOTION DETECTION	Yes	Yes	Yes
AUDIO INPUT/OUTPUT	-	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line
ALARM INPUT/OUTPUT	1/1	1/1	1/1
LOCAL STORAGE	MicroSD 128 GB max.	MicroSD 256 GB max.	MicroSD 256 GB max.
MATERIAL/RATINGS	316L Stainless Steel, IP67, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	Stainless steel 316L and anti-corrosion coating	Stainless steel 316L and anti-corrosion coating
EXPLOSION PROOF CERTIFICATION		UL(Zone): Class I, Zone 1, AEx db IIC T6 Zone 21, AEx tb IIIC T80°C UL/cUL (Division): Class I, Division 2, Groups A,B,C and D,T6;-Class II, Division 2,Groups F and G,T80°C	UL(Zone): Class I, Zone 1, AEx db IIC T6 Zone 21, AEx tb IIIC T80°C UL/cUL (Division): Class I, Division 2, Groups A,B,C and D,T6;-Class II, Division 2,Groups F and G,T80°C
OPERATING TEMPERATURE RANGE	-30 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC, PoE (802.3af), 5 W	100 to 240 VAC, 0.4 A, maximum 18 W; PoE (802.3at, 42.5 to 57 V), 0.55 to 0.45 A, maximum 18 W	100 to 240 VAC, 0.4 A, maximum 18 W; PoE (802.3at, 42.5 to 57 V), 0.55 to 0.45 A, maximum 18 W
BRACKETS	HX-JMBSS, HX-WBXC	HX-1707ZJ	HX-1707ZJ

PROFESSIONAL SOLUTIONS

	DarkFighter Smart Tracking 2.0	DarkFighter	DarkFighter Smart Tracking 2.0	DarkFighter Smart Tracking 2.0	DarkFighter Smart Tracking 2.0	DarkFighter Smart Tracking 3.0	DarkFighter Smart Tracking 3.0	DarkFighter Smart Tracking 3.0	DarkFighter Smart Tracking 3.0	DarkFighter X Smart Tracking 3.0	DarkFighter Built-in Radar	DarkFighter Smart Tracking 2.0	
MODEL	HX-NID5232X3	HX-NOD5232XL	HX-NOD6A436X	HX-NOD6A836X	HX-NOD8242XW	HX-NOD8442XW	HX-NOD8C842	HX-NPTZ8C442	HX-NPTZ8C842	HX-NOD8C435	HX-SR8141MXS	HX-NOD6A832X	HX-DS2DY5225
FORM FACTOR	Indoor PTZ	Outdoor PTZ	Outdoor PTZ	Outdoor PTZ	Outdoor PTZ	Outdoor PTZ	Outdoor PTZ	Outdoor PTZ	Outdoor PTZ	Outdoor PTZ	Outdoor PTZ	Indoor PTZ	Outdoor Upright PTZ
MEGAPIXELS	2 MP	2 MP	4 MP	8 MP	2 MP	4 MP	8 MP	4 MP	8 MP	4 MP	4 MP	8 MP	2 MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	1/2.8"	1/2.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"	2/3"	1/8	1/2"	Two 1/1.8"	1/1.8"	1/1.8"	1/1.8"
MIN. ILLUMINATION (LUX)	Color: 0.002 @ ƒ/1.2	Color: 0.002 @ ƒ/1.2	Color: 0.002 @ ƒ/1.5	Color: 0.005 @ ƒ/1.5	Color: 0.002 @ ƒ/1.5 B/W: 0 with IR	Color: 0.002 @ ƒ/1.5 B/W: 0 with IR	Color: 0.005 @ ƒ/1.5 B/W: 0 with IR	Color: 0.001 @ ƒ/1.5 B/W: 0 with IR	Color: 0.002 @ ƒ/1.5 B/W: 0 with IR	Color: 0.0005 @ ƒ/1.5 B/W: 0 with IR	Color: 0.002 @ ƒ/1.5 B/W: 0 with IR	@ f/1.5 color 0.002, Black 0.0002	@ f/1.5 color 0.005, Black 0.001
LENS (FOV H X V)	4.8 to 153 mm, motorized zoom, autofocus	4.8 to 153 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	6 to 216 mm, motorized zoom, autofocus	6.0 to 252 mm, motorized zoom, autofocus	6.0 to 252 mm, motorized zoom, autofocus	7.5 to 270 mm, motorized zoom, autofocus	6 to 252 mm, motorized zoom, autofocus	7.5 to 315 mm, motorized zoom, autofocus	5.9 to 265 mm, motorized zoom, autofocus	6.0 to 240 mm, motorized zoom, autofocus	6.7 to 214.4 mm, motorized zoom, autofocus	5.9 to 147.5 mm, motorized zoom, autofocus
OPTICAL ZOOM	32x	32x	36x	36x	42x	42x	42x	42x	42x	35x	40x	32x	25x
PAN RANGE	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
TILT RANGE	-5° to 90° (auto flip)	-5° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-90° to + 90° (auto flip)
PAN & TILT SPEED (MANUAL)	0.1°/s to 300°/sec & 0.1°/s to 240°/sec	0.1°/s to 300°/sec & 0.1°/s to 240°/sec	0.1°/s to 350°/sec. & 0.1°/s to 240°/sec.	0.1°/s to 300°/sec. & 0.1°/s to 240°/sec.	0.1°/s to 210°/sec. & 0.1°/s to 150°/sec.	0.1°/s to 210°/sec. & 0.1°/s to 150°/sec.	0.1° to 210°/sec. & 0.1° to 150°/sec.	0.1° to 210°/sec. & 0.1° to 150°/sec.	0.1° to 210°/sec. & 0.1° to 150°/sec.	0.1° to 210°/sec. & 0.1° to 150°/sec.	0.1° to 210°/sec. & 0.1° to 150°/sec.	0.1°/s to 300°/sec & 0.1°/s to 240°/sec	0.1°/s to 150°/sec & 0.1°/s to 80°/sec
PAN & TILT SPEED (PRESET)	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.	540°/sec. & 400°/sec.	150°/sec. & 80°/sec.
DAY/NIGHT,BLC,WDR,EIS	True,Yes,120 dB, Yes	True,Yes,120 dB, Yes	True,Yes,120 dB, Yes	True, Yes,140 dB, GIS	True, Yes,140 dB, GIS	True,Yes,140 dB, GIS	True, Yes,120 dB, GIS	True, Yes,140 dB, GIS	True, Yes,140 dB, GIS	True,Yes,140 dB,Yes	True, Yes,120 dB, Yes	True,Yes,140 dB, Yes	True,Yes,120 dB, Yes
IR RANGE MAX (METERS)	-	-	-	-	400	400	500	400	500	300	200	-	250 m
VIDEO COMPRESSION	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
MAX. IMAGE RESOLUTION (PIXELS) AND FRAME RATE	2 MP (1920×1080), 30	2 MP (1920×1080), 30	4 MP (2560×1440), 30	8 MP (3840×2160), 30	2 MP (1920x1080), 60	4 MP (2560×1440), 60	8 MP (4096×2160), 30	4 MP (2560×1440), 30	8 MP (3840×2160), 24	4 MP (2560×1440), 60	4 MP (2560×1440), 30	8 MP (3840x2160), 25	2 MP (3840x2160), 30
RATINGS	IK10,UL/cUL Listed	IP66, IK10 UL/cUL Listed	IP67, IK10 UL/cUL Listed	IP67, IK10 UL/cUL Listed	IP67,IK10, UL/cUL Listed	IP67,IK10, UL/cUL Listed	IP67, IK10,UL/cUL Listed	IP67, IK10,UL/cUL Listed	IP67, IK10,UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	-,UL/cUL Listed	FCC, CE, RoHS
OPERATING TEMPERATURE RANGE	-10 to 50 °C (14 to 122°F)	-40 to 70 °C (-40 to 158 °F)	-40 to 70 °C (-40 to 158 °F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40 to 70 °C (-40 to 158 °F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-20 to 50 °C (14 to 122°F)	-20 to 50 °C (14 to 122°F)
POWER REQUIREMENTS (MAX.)	24V AC, Hi-PoE (802.3at), 25 W, PoE Injector Included	"24V AC, (Max 60 W) Hi-PoE (802.3at), (Max 50 W), PoE Injector Included"	"24V AC (Max. 60 W), Hi-PoE (Max. 50 W), PoE Injector Included"	24V AC (Max. 60 W), Hi-PoE (Max. 50 W), PoE Injector Included	24V AC, (Max 60 W) Hi-PoE (802.3at), (Max 50 W)	24V AC (Max. 60 W), Hi-PoE (Max. 50 W)	24V AC (Max 60 W) Hi-PoE (802.3at), (Max 50 W)	24V AC, (Max 62 W) Hi-PoE (802.3at), (Max 51 W)	24V AC, (Max 62 W) Hi-PoE (802.3at), (Max 51 W)	36 VDC, (Max 90 W)	24V AC, (Max 60 W)	12 VDC, POE	24 VDC, Hi-POE Hi-PoE (Max. 50 W), PoE Injector Included
BRACKETS	Ceiling Recess/Flush Mount Included	RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	RPM-G JBPW-L-G : CMP-JB-G, PMP-JB-G CPM-S-G, CPM-L-G : CPMPE-G	RPM-G JBPW-L-G : CMP-JB-G, PMP-JB-G CPM-S-G, CPM-L-G : CPMPE-G	RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	RPM WMP-L, WMP-PV : PMP, CMP JBPW-L : CMP-JB, PMP-JB CPM-S, CPM-L : CPMPE	WMP-L, CMP, PMP, JBPW-L	RPM-G JBPW-L-G : CMP-JB-G, PMP-JB-G CPM-S-G, CPM-L-G : CPMPE-G	Ceiling Recess/Flush Mount Included	-

Why DeepinView Cameras?

8 POWERFUL, INTELLIGENT SWITCHABLE ALGORITHMS IN ONE DEVICE

Deep learning has swept through the security industry, enabling innovative solutions to support enhanced site security and operational efficiency. The benefits of deep learning for attribute recognition and image classification make it enormously valuable in the security industry. Hikvision's industry-leading smart cameras and infrastructure solutions engineered with AI technology support smarter decision-making, from people counting and Multi-Target Detection to vehicle License Plate Recognition and automated security alerts.

Simplified Installation & Easy Maintenance

Faster
Easily adjust the viewing angle remotely from the webpage

Flexible
Motorized, long-range lens from 2.8-12mm

Cost-efficient
Stable structure reduces maintenance costs

Remotely adjust the viewing angle on the webpage

Pan   Tile   Rotate   Zoom

Face Picture Comparison

Multi-Target-Type Detection

Perimeter Protection

Regional People Counting

On/OFF Duty Detection

Queue Management

Cross-Line People Counting

Heat Map
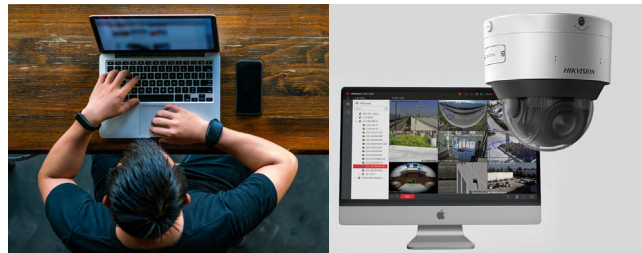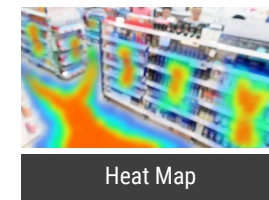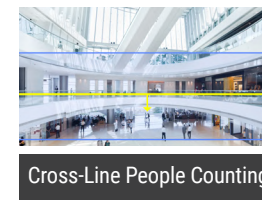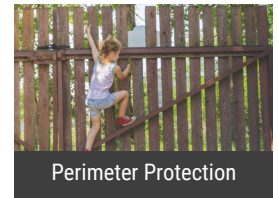
NETWORK CAMERA SMART SERIES- 2ND GEN DEEPINVIEW AI SERIES

	DarkFighter. LightFighter. DeepinView Gen II EXIR 2.0	DarkFighter. LightFighter. DeepinView Gen II EXIR 2.0	DarkFighter. LightFighter. DeepinView Gen II EXIR 2.0	DarkFighter. LightFighter. DeepinView Gen II EXIR 2.0	DarkFighter. LightFighter. DeepinView Gen II EXIR 2.0	DarkFighter. LightFighter. DeepinView Gen II EXIR 2.0	DarkFighter. LightFighter. DeepinView Gen II EXIR 2.0	DarkFighter. LightFighter. DeepinView Gen II EXIR 2.0
MODELS	HX-BX7064APi	HX-ID71C5i	HX-7146IZHSY HX-BL7146IY8 HX-ID7186i HX-ID7186i8	HX-BL7546iY HX-BL7546iY8 HX-BL7586iY HX-BL75C5iY	HX-BL7A46iY HX-BL7A46iY8 HX-BL7A86iY HX-BL7AC5iY	HX-FCDB7A47 HX-FCDB7A87	HX-8A8610504	HX-FCDD7547 HX-BL7586iY
Form Factor	Box Camera (Lens not included)	Indoor Dome Camera	Indoor / Outdoor Dome Camera	Outdoor Dome Camera	Outdoor Bullet Camera	Outdoor Bullet Camera	Outdoor TandemVu Bullet Camera	Outdoor Dome Camera
MEGAPIXELS	4MP	4MP/12MP	4 MP/8 MP	4MP/12MP	4MP/12MP	4 MP/8 MP	4 MP+8 MP (2 Lens)	4 MP/8 MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	1/1.8"	4MP: 1/1.8" 12MP: 1/1.7"	4MP&8MP: 1/1.8	4MP: 1/1.8" 12MP: 1/1.7"	4MP: 1/1.8" 12MP: 1/1.7"	4MP&8MP: 1/1.8"	4MP+8MP: 1/1.8" +1/2	4MP&8MP: 1/1.8
MIN ILLUMINATION (LUX)	4 MP: Color: 0.001 lux @ (ƒ/1.2, AGC on); B/W: 0.0003 lux @ (ƒ/1.2, AGC on) *Reference values only; actual values will depend on lens used	4 MP: 2.8 mm to 12 mm Color: 0.002 lux @ ƒ/1.7, B/W: 0.0006 lux; 8 mm to 32 mm Color: 0.001 lux @ ƒ/1.2 B/W: 0.0003 lux 12 MP: 2.8 mm to 12 mm Color: 0.009 lux @ƒ/1.2 B/W: 0.0009 lux;	4 MP: 2.8 mm to 12 mm Color: 0.002 lux @ ƒ/1.7, B/W: 0.0006 lux; 8 mm to 32 mm Color: 0.001 lux @ ƒ/1.2 B/W: 0.0003 lux 8 MP: 2.8 mm to 12 mm Color: 0.002 lux @ ƒ/1.7, B/W: 0.0002 lux; 8 MP; 8 to 32 mm, Color: 0.002 Lux @ ƒ/1.2, B/W: 0.0002 Lux	4 MP: 2.8 mm to 12 mm Color: 0.002 @ ƒ/1.2 B/W: 0.0003 lux; 8 mm to 32 mm Color: 0.002 lux @ ƒ/1.7 B/W: 0.0006 lux 12 MP: 2.8 mm to 12 mm Color: 0.009 Lux @ ƒ/1.2 B/W: 0.009 Lux with IR	4 MP: 2.8 mm to 12 mmColor: 0.001 lux @ ƒ/1.2 B/W: 0.0003 lux 8 mm to 32 mm Color: 0.002 lux @ ƒ/1.7 B/W: 0.0006 lux 12MP: 2.8 mm to 12 mm Color: 0.009 lux @ ƒ/1.2 B/W: 0.0009 lux;	4 MP: 2.8 mm to 12 mm Color: 0.0003 Lux @ ƒ/1.0, B/W: 0.0001 lux 8 MP: 2.8mm to 12 mm Color: 0.Color: 0.0003 Lux @ ƒ/1.0, B/W: 0.0001 Lux	Channel 1 (8MP): Color: 0.0003 Lux @ (F1.2, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR, Channel 2 (4MP): Color: 0.0003 Lux @ (F1.0, AGC ON), 0 Lux with Light B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with IR	4 MP: 2.8 mm to 12 mm Color: 0.0003 @ ƒ/1.2 B/W: 0.0001 lux; 8 MP: 2.8 mm to 12 mm Color: 0.0003 lux @ ƒ/1.7, B/W: 0.0001 lux;
LENS (FOV H x V)	DC drive, CS mount sold seperately	All: Motorized, autofocus 4 MP: 2.8–12 mm H FOV 114.5° to 41.8°, V FOV 59.3° to 23.6° 8 to 32 mm, H FOV 42.5° to 15.1°, V FOV 23.3° to 8.64° 12MP: 2.8 to 12 mm, H FOV 96° to 46.2°, V FOV 69.2° to 27.2°;	All: Motorized, Autofocus 4 MP: 2.8–12 mm H FOV 114.5° to 41.8°, V FOV 59.3° to 23.6° 8 to 32 mm, H FOV 42.5° to 15.1°, V FOV 23.3° to 8.64° 8MP: 2.8 to 12 mm, H FOV 112.3° to 41.2°, V FOV 58° to 23.1°; 8 to 32 mm, H FOV 37° to 15°, V FOV 21° to 9°	All: Motorized, Autofocus 4MP 2.8 mm to 12 mm, hFOV 114.5° to 41.8°, V FOV 59.3° to 23.6° 8 mm to 32mm, H FOV 42.5° to 15.1°, V FOV 23.3° to 8.64° 12MP: 2.8 mm to 12 mm: H FOV 96° to 46.2°, V FOV 69.2° to 27.2°;	All: Motorized, Autofocus 4MP: 2.8 mm to 12 mm: H FOV: 114.5° to 41.8°, V FOV: 59.3° to 23.6°, 8 mm to 32 mm: H FOV: 42.5° to 15.1°, V FOV: 23.3° to 8.64°,	All: Motorized, Autofocus 4MP 2.8 mm to 12 mm, HFOV 99.8° to 44.1°, VFOV 54.6° to 24.8° 8MP: 2.8 to 12 mm, HFOV 99.8° to 44.1°, VFOV 54.6° to 24.8°;	Channel 1 (8MP): 10 to 50 mm: horizontal FOV 36° to 13.1°, vertical FOV: 20.4° to 7.4°, diagonal FOV 41.8° to 14.9° Channel 2 (4MP): 4 mm: horizontal FOV: 89°, vertical FOV: 45°, diagonal FOV: 107°	All: Motorized, Autofocus 4MP 2.8 mm to 12 mm, HFOV 104.2° to 44.1°, VFOV 55.3° to 24.8° 8MP: 2.8 to 12 mm, HFOV 104.8° to 44.1°, VFOV 55.3° to 24.8°
DAY/NIGHT, BLC, WDR	4MP: True, Yes, 140 dB	4MP: True, Yes, 140 dB 12 MP: True, Yes, Digital	4MP: True, Yes, 140 dB 8MP: True, Yes, Digital	4MP: True, Yes, 140 dB 12MP: True, Yes, Digital	4MP: True, Yes, 140 dB 12MP: True, Yes, Digital	4MP: True, Yes, 140 dB 8MP: True, Yes, 120 dB	4MP + 8MP: True, Yes, 140 dB	4MP: True, Yes, 140 dB 8MP: True, Yes, 120 dB
IR RANGE MAX (METERS)	-	2.8 mm to 12 mm: 98ft (30 m)8mm to 32 mm: 164 ft (50 m)	2.8 mm to 12 mm: 132ft (40 m) 8mm to 32 mm: 197 ft (60 m)	2.8 mm to 12 mm: 98 ft (30 m) 8 mm to 32 mm: 164 ft (50 m)	2.8 mm to 12 mm: 164 ft (50 m) 8 mm to 32 mm: 330 ft (100 m)	2.8 mm to 12 mm: 164 ft (50 m)	Channel 1 (8MP): up to 120 m, Channel 2 (4MP): up to 30 m	2.8 mm to 12 mm: 98 ft (30 m)
VIDEO COMPRESSION	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream:H.265/H.264/MJPEG							
MAX IMAGE RESOLUTION (PIXELS) & FRAME RATE	4 MP: (2560 x 1440), 30	4 MP: (2680 × 1520), 30 12 MP: (4000 x 3000), 20	4 MP (2560x1440), 30 8 MP (3840x2160), 30	4 MP: (2680 × 1520), 30 12 MP: (4000 × 3000), 20	4 MP: (2680 x 1520), 30 12 MP: (4000 × 3000), 20	4 MP: (2680 × 1520), 30 8 MP: (3840 × 2160), 24	4 MP: (2560 × 1440), 30 8 MP: (3840 × 2160), 30	4 MP: (2680 × 1520), 30 8 MP: (3840 × 2160), 30
AUDIO INPUT/OUTPUT	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out	1 line in, 1 line out
ALARM INPUT/OUTPUT	2 inputs, 2 outputs	1 input, 1 output	1 input, 1 output	1 input, 1 output	2 inputs, 2 outputs	2 inputs, 2 outputs	2 inputs, 2 outputs	1 input, 1 output
INTELLIGENT FUNCTIONS (DEEP LEARNING ALGORITHM)	Multi-target-type Detection & Attribute Search; Area People counting & Density Control; Queue Mangement; Perimeter Protection, Hard Hat Detection	Multi-target-type Detection & Attribute Search; Area People counting & Density Control; Queue Mangement; Perimeter Protection, Hard Hat Detection	Face Picture Comparison, Multi-Target Detection, Perimeter Protection, On/OFF duty detection, Queue Management, Hard Hat Detection, Regional People counting, Cross-Line People counting, Heat Map, AIOP	Multi-target-type Detection & Attribute Search; Area People counting & Density Control; Queue Mangement; Perimeter Protection, Hard Hat Detection	Multi-target-type Detection & Attribute Search; Area People counting & Density Control; Queue Mangement; Perimeter Protection, Hard Hat Detection	Face Picture Comparison, Multi-Target Detection, Perimeter Protection, On/OFF duty detection, Queue Management, Hard Hat Detection, Regional People counting, Cross-Line People Counting, Heat Map, AIOP,	Face Picture Comparison, Multi-Target Detection, Road Traffic (LPR Recognition)	Face Picture Comparison, Multi-Target Detection, Perimeter Protection, On/OFF duty detection, Queue Management, Hard Hat Detection, Regional People counting, Cross-Line People Counting, Heat Map, AIOP
RATINGS	UL Listed	IK10, UL listed	IK10, UL listed	IP67, IK10, UL listed, -Y model:NEMA 4X (NEMA 250-2018)	P67, IK10, UL Listed, -Y model:NEMA 4X (NEMA 250-2018)	IP67, IK10, UL listed, -Y model:NEMA 4X (NEMA 250-2018)	IP67, UL Listed, -Y model:NEMA 4X (NEMA 250-2018)	IP67 IK10, UL listed, -Y model:NEMA 4X (NEMA 250-2018)
OPERATING TEMPERATURE RANGE	-30° to 60° C (-22° to 140° F)	-30° to 60° C (-22° to 140° F)	-30° to 60° C (-22° to 140° F)	-40° to 60° C (-40° to 140° F)	-40° to 60° C (-40° to 140° F)	-40° to 60° C (-40° to 140° F)	-40° to 60° C (-40° to 140° F)	-40° to 60° C (-40° to 140° F)
POWER REQUIREMENTS (MAX)	12V DC, max 12W 24V AC, max 12W PoE (802.3af), max 12 W	12 VDC, max 9.96 W 24 VAC, max 12 W PoE (802.3af), max12 W	12 VDC, max 9.96 W 24 VAC, max 12 W PoE (802.3af), max12 W	With extra load: 12 VDC, max13.9 W; PoE (802.3at): 13.9W with extra load" means that an extra device is connected to and powered by the camera	12 VDC, max 16.0 W	12 VDC, max 22.7 W 24 VAC. max 22.3W PoE: (802.3at) max 18.0 W	12 VDC, max 22.7 W 24 VAC. max 22.3W PoE: (802.3at) max 24.7 W	12 VDC, max24.01 W; 24VAC, max 24.01W PoE (802.3at): 25.43W
BRACKETS	WBS,PP2, CBH, CHB-HBW, CHB-HB	WML,PC130, CPM, CPME, CM,PM, RCM-1,AB135	PC 160, RCM-VH, PM1, CM1, CPM, WML, DS-1273ZJ-160, DS-1271ZJ-160 , DS-1476ZJ-Y, DS-1475ZJ-Y	DS-1473ZJ-155-YDS-1471ZJ-155-YDS-1475ZJ-YDS-1476ZJ-Y	DS-1476ZJ-Y,DS-1475ZJ-Y	DS-1476ZJ-Y , DS-1476ZJ-SUS , DS-1275ZJ-S-SUS , DS-1475ZJ-Y , DS-1475ZJ-SUS	CM1, PM1, DS-1275ZJ-S-SUS , DS-1476ZJ-Y , DS-1475ZJ-Y	CM1, PM1, CPM, WML, PC160
STANDARDS	Complies with ONVIF (PROFILE S, PROFILE G, PROFILE T), FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014), CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) Contact factory for addtional details.							

NETWORK CAMERA SMART SERIES- DEEPINVIEW LPR AND COUNTING SERIES

	DEEPINVIEW LICENSE PLATE RECOGNITION	DEEPINVIEW LICENSE PLATE RECOGNITION	DEEPINVIEW LICENSE PLATE RECOGNITION	DEEPINVIEW LICENSE PLATE RECOGNITION	DEEPINVIEW PEOPLE COUNTING CAMERA DUAL LENS - DEEPINVIEW
					Weather Shield sold seperately
MODELS	HX-BL7A46YP HX-BL7A46YP8	HX-BX7046WP1	HX-8A8610504	HX-DL7547PHY	HX-IC6825G0 HX-IC6825G0V
FORM FACTOR	Outdoor Bullet	Outdoor Bullet	Outdoor TandemVu Bullet Camera	Outdoor Dome Camera	Specialty, Indoor, Outdoor
MEGAPIXELS	4 MP	4 MP	4 MP+8 MP (2 Lens)	4 MP	2 MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	1/1.8"	1/1.8"	4MP+8MP: 1/1.8" +1/2"	4MP: 1/1.8"	1/2.7"
MIN. ILLUMINATION (LUX)	Color: 0.002 @ ƒ/1.2 B/W: 0 with IR	Color: 0.0005 @ ƒ/1.2; B/W: 0.0001 @ ƒ/1.2, 0 Lux with IR	Channel 1 (8MP): Color: 0.0003 Lux @ (F1.2, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR, Channel 2 (4MP): Color: 0.0003 Lux @ (F1.0, AGC ON), 0 Lux with Light B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with IR	4 MP: 2.8 mm to 12 mm Color: 0.0003 @ ƒ/1.2 B/W: 0.0001 lux;	Color: 0.005 lux @ f/2.0, AGC on B/W: 0.001 lux @ f/2.0, AGC on
LENS (FOV H X V)	-IZHSY: 2.8 to 12 mm (H 103.3° to 38.6°, V 54.2° to 21.9°) @ ƒ/1.2 -IZHSY: 8 to 32mm (H 42.5° to 13.4°, V 23.4° to 7.7°) @ ƒ/1.6 All: motorized, autofocus	-IHSY: 11 to 40 mm (H 39.1° to 12.1°, V 21.4° to 6.8°) @ ƒ/1.2	Channel 1 (8MP): 10 to 50 mm: horizontal FOV 36° to 13.1°, vertical FOV 20.4° to 7.4°, diagonal FOV 41.8° to 14.9° Channel 2 (4MP): 4 mm: horizontal FOV: 89°, vertical FOV: 45°, diagonal FOV: 107°	All: Motorized, Autofocus 4MP 2.8 mm to 12 mm, HFOV 104.2° to 44.1°, VFOV 55.3° to 24.8°	2 mm (H:104.5°, V: 70.5°) @ f/2.25
DAY/NIGHT, BLC, WDR	True, Yes, 140 dB	True, Yes, 140 dB	4MP + 8MP: True, Yes, 140 dB	4MP: True, Yes, 140 dB 8MP: True, Yes, 120 dB	True, Yes, digital
IR RANGE MAX (METERS)	-IZHSY 2.8-12 mm: 50 m -IZHSY 8-32 mm: 100 m	120 m	Channel 1 (8MP): up to 120 m, Channel 2 (4MP): up to 30 m"	2.8 mm to 12 mm: 98 ft (30 m)	6 m
VIDEO COMPRESSION	H.265+/H.265// H.264+/H.264/MJPEG	H.265+/H.265// H.264+/H.264	H.265+/H.265// H.264+/H.264	H.265+/H.265// H.264+/H.266	H.265+/H.265// H.264+/H.264/MJPEG
MAX. IMAGE RESOLUTION (PIXELS)AND FRAME RATE	2688 × 1520, 30 fps	4 MP (2688×1520), 30	4 MP: (2560 × 1440), 30, 8 MP: (3840 × 2160), 24	4 MP: (2680 × 1520), 30	2 MP (1920×1080), 25
AUDIO INPUT/OUTPUT	IN 1-line 1 / Out 1-line out	IN: 1 line in / OUT: 1 Line out	1 line in, 1 line out	1 line in, 1 line out	IN: 1 line/mic OUT: 1 line
ALARM INPUT/OUTPUT	2/2	2/2	2/2	2/2	1/1
RATINGS	IP67, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL Listed, -Y model:NEMA 4X (NEMA 250-2018)	IP67 IK10, UL listed, -Y model:NEMA 4X (NEMA 250-2018)	IP67, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-40 to 60 °C (-40 to 140 °F)	-40 to 65 °C (-40 to 149 °F)	-40° to 60° C (-40° to 140° F)	-40° to 60° C (-40° to 140° F)	-30 to 45 °C (-22 to 133 °F)
POWER REQUIREMENTS (MAX.)	12 VDC, PoE+ (802.3at), 16.5 W	24 VDC, 24VAC, PoE (802.3bt), 24.6 W	12 VDC, max 22.7 W, 24 VAC. max 22.3W, PoE: (802.3at) max 24.7 W	13 VDC, max 22.7 W, 24 VAC. max 22.3W, PoE: (802.3at) max 24.7 W	12 VDC, 8 W
BRACKETS	PM1/CM1/PM-LPR	WBL	CM1, PM1, DS-1275ZJ-S-SUS , DS-1476ZJ-Y , DS-1475ZJ-Y	CM1, PM1, CPM, WML, PC160	

Thermal Cameras

HeatPro Thermal Lens | Optical Lens

Hikvision's thermal cameras deliver the best in thermal imaging for enhanced perimeter protection, temperature monitoring, cigarette smoke detection, and more. Cameras include a range of features, including a white strobe light, a speaker for automated voice alarms, and improved human and vehicle filters. Thermal cameras are well equipped for temperature exception monitoring to detect a fire early for extraordinary asset protection. Thermal cameras provide clear video and images and are unaffected by rain, smog, and dust.

FEATURES

- Superior Nighttime Visibility
- Outstanding Intrusion Detection with Alarms and Video Verification
- VCAs like Line Crossing, Intrusion, Region Entrance/Exit Detection
- Reliable Temperature Exception Alarm Function
- Detect and Locate Fires Early with Advanced Fire Detection

APPLICATIONS

Villas / Gated Communities

Warehouses
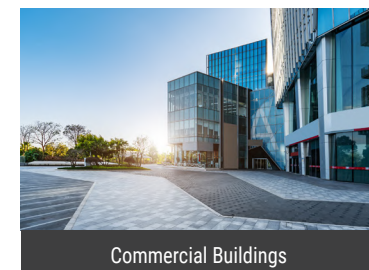
Commercial Buildings

Construction Sites and Yards

Solar Farms

Waste Recycling Facilities

THERMAL-OPTICAL CAMERAS - HEATPRO

	NETWORK CAMERA Bi-Spectrum		NETWORK CAMERA Bi-Spectrum			NETWORK CAMERA Bi-Spectrum		NETWORK CAMERA Bi-Spectrum	
Series	Thermal-Optical Cameras - HeatPro		Thermal-Optical Cameras - HeatPro			Thermal-Optical Cameras - HeatPro		Thermal-Optical Cameras - HeatPro	
Model	HX-TD12282 HX-TD12283		HX-TD26283 HX-TD26287 HX-TD262810			HX-TD1228T2 HX-TD1228T3		HX-TD2628T3 HX-TD2628T7	
FORM FACTOR	Outdoor Turret		Outdoor Bullet			Outdoor Turret		Outdoor Bullet	
THERMAL PIXELS, PITCH, SENSOR	256x192, 12 µm, Vanadium Oxide UFPA		256x192, 12 µm, Vanadium Oxide UFPA			256x192, 12 µm, Vanadium Oxide UFPA		256x192, 12 µm, Vanadium Oxide UFPA	
SPECTRAL RESPONSE, NETD	8 to 14 µm, < 40 mk @ 25 °C		8 to 14 µm, < 40 mk @ 25 °C			8 to 14 µm, < 40 mk @ 25 °C		8 to 14 µm, < 40 mk @ 25 °C	
LENS FOCAL LENGTH	2.1mm	3.6 mm	3.6 mm	6.9 mm	9.7mm	2.1 mm	3.6mm	3.6 mm	6.9 mm
FIELD OF VIEW (HXV)	(90.0°x65.4°)	(50.0°x37.3°)	(50.0°x37.2°)	(25.0°x18.7°)	(18°×13.5°)	(90.0°x65.4°)	(50.0°x37.3°)	(50.0°x37.2°)	(25.0°x18.7°)
IFOV (MRAD), MIN. FOCUS DISTANCE	5.71, 0.1 m	3.33, 0.4 m	3.33, 0.5 m	1.74, 1 m	1.24, 1.5 m	5.71, 0.1 m	3.33, 0.5 m	3.33, 0.5 m	1.74, 1 m
OPTICAL SENSOR	4 MP, 1/2.7" CMOS		4 MP, 1/2.7" CMOS			4 MP, 1/2.7" CMOS		4 MP, 1/2.7" CMOS	
FRAME RATE @ RESOLUTION	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)		50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)			50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)		50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	
MIN. ILLUMINATION (LUX)	Color: 0.0176 @ ƒ/2.25, AGC ON B/W: 0 with IR		Color: 0.0176 @ ƒ/2.25, AGC ON B/W: 0 with IR			Color: 0.0176 @ ƒ/2.25, AGC ON B/W: 0 with IR		Color: 0.0176 @ ƒ/2.25, AGC ON B/W: 0 with IR	
LENS, FIELD OF VIEW (HXV)	2.2 mm (117.8° × 70.4°)	4.3 mm (84° × 43.1°)	4 mm (84° × 44.8°)	8mm (39.42° × 22.14°)	8mm (39.42° × 22.14°)	2.2 mm (117.8° × 70.4°)	4.3 mm (84° × 43.1°)	4.3 mm (84° × 43.1°)	6.4mm (53° × 28°)
IR RANGE MAX (METERS)	15		30			15		30	
TEMPERATURE MEASUREMENT ACCURACY	±8°C (±14.4°F)		±8°C (±14.4°F)			Max(±2°C, ±2%)		Max(±2°C, ±2%)	
TEMPERATURE MEASUREMENT RANGE	-20~150° C (-4°F to 302°F)		-20~150° C (-4°F to 302°F) "			-20~550°C (-4°F to 1022°F)		-20~550°C (-4°F to 1022°F)	
VIDEO COMPRESSION	H.265/H.264		H.265/H.264			H.265+/H.265/H.264		H.265+/H.265/H.264	
IMAGE ENHANCEMENT	Image Fusion, PiP, 120 dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		Image Fusion, PiP, 120 dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes			Image Fusion, PiP, 120 dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		Image Fusion, PiP, 120 dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes	
ALARM ON TEMPERATURE	Monitor 10 points, 10 regions and 1 line		Monitor 10 points, 10 regions and 1 line within			Monitor 10 points, 10 regions and 1 line within		Monitor 10 points, 10 regions and 1 line within	
ALARM I/O, AUDIO I/O	1/1, 1/1		2/2, 1/1			1/1, 1/1		1/1, 1/1	
RATINGS	IP66, UL/cUL Listed		IP66, UL/cUL Listed			IP66, UL/cUL Listed		IP66, UL/cUL Listed	
OPERATING TEMPERATURE RANGE	-40 to 65 °C (-40 to 149 °F)		-40 to 65 °C (-40 to 149 °F)			-40 to 65 °C (-40 to 149 °F)		-40 to 65 °C (-40 to 149 °F)	
POWER REQUIREMENTS (MAX.)	24VAC, 12 VDC, PoE (802.3af)		24VAC, 12 VDC, PoE (802.3af)			24VAC, 12 VDC, PoE (802.3af)		24VAC, 12 VDC, PoE (802.3af)	
BRACKETS	CPM+PC140,WML+PC140,PM,CM,CB135		PM,CM,CB130			CPM+PC140,WML+PC140, PM,CM,CB135		PM,CM,CB130	

THERMAL-OPTICAL CAMERAS

	NETWORK CAMERA Bi-Spectrum, Medium Res		
Series	Thermal-Optical Cameras		
Model	-		
FORM FACTOR	Outdoor Bullet		
THERMAL PIXELS, PITCH, SENSOR	384×288, 17 µm, Vanadium Oxide UFPA		
SPECTRAL RESPONSE, NETD	8 to 14 µm, < 35 mk @ 25 °C		
LENS FOCAL LENGTH	9.7 mm	15 mm	25mm
FIELD OF VIEW (HXV)	(37.5°x 28.5°)	(24.5°x 18.5°)	(14.9° × 11.2°)
IFOV (MRAD), MIN. FOCUS DISTANCE	1.75, 1.0 m	1.13, 2.5 m	0.68, 25 m
OPTICAL SENSOR	4 MP, 1/2.7" CMOS		
FRAME RATE @ RESOLUTION	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)		
MIN. ILLUMINATION (LUX)	0.0089 @ ƒ/1.6, AGC ON B/W: 0 with IR		
LENS, FIELD OF VIEW (HXV)	6 mm (51.7°x28°)	12 mm (25.25° × 14.44°)	14 mm (20.59° × 11.73°)
IR RANGE MAX (METERS)	50	100	
TEMPERATURE MEASUREMENT ACCURACY	±8°C (±14.4°F)		
TEMPERATURE MEASUREMENT RANGE	-20~150°C (-4°F to 302°F)		
VIDEO COMPRESSION	H.265+/H.265/H.264+/H.264/MJPEG		
IMAGE ENHANCEMENT	Image Fusion, PiP, 120 dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		
ALARM ON TEMPERATURE	Monitor 10 points, 10 regions and 1 line within		
ALARM I/O, AUDIO I/O	2/2, 1/1		
RATINGS	IP66, UL/cUL Listed		
OPERATING TEMPERATURE RANGE	-40 to 65 °C (-40 to 149 °F)		
POWER REQUIREMENTS (MAX.)	"12 VDC, 24V AC, PoE (802.3af), 9.5 W (20 W with De-icing Heater On)"		
BRACKETS	PM,CM,CB130		

THERMAL PTZ CAMERAS

Bi -Spectrum, Thermography

MODEL	HX-TD4228T10
FORM FACTOR	Thermal-Optical - HeatPro
THERMAL PIXELS, PITCH, SENSOR	256 × 192, 12 µm, Vanadium Oxide UFPA
SPECTRAL RESPONSE, NETD	8 to 14 µm, < 35 mk @ 25 °C
FRAME RATE @ RESOLUTION	25fps@256x192
LENS FOCAL LENGTH	10mm
FIELD OF VIEW (H°XV°)	18°x13.5°
IFOV (MRAD), MIN. FOCUS DISTANCE	1.2, 1.2m
OPTICAL SENSOR	4MP, 1/2.8" CMOS
FRAME RATE @ RESOLUTION	
MIN. ILLUMINATION (LUX) WITHOUT IR	Color: 0.005 Lux @(F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)
LENS, FIELD OF VIEW (HXV)	4.8-153mm (58.4° × 33.8° to 2.14° × 1.2°)
IR RANGE MAX (METERS)	100m
TOTAL ZOOM	32x
PAN, TILT RANGE	Pan: 360° Continuous Rotate Tilt: From -20° to + 90° (auto flip)
MAX. PRESETS, TOURS, PATTERNS	300 presets; 8 patrols; Up to 32 Presets Per Patrol; 4 patterns; More Than 10 Minutes Per Pattern;
TEMPERATURE MEASUREMENT ACCURACY	Max(±2°C, ±2%)
TEMPERATURE MEASUREMENT RANGE	-20~550°C (-4°F to 1022°F)
VIDEO COMPRESSION	
IMAGE ENHANCEMENT	Image Fusion, PiP, 120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes
ALARM ON TEMPERATURE	Monitor 10 Points, 10 Regions and 1 Line
ALARM I/O, AUDIO I/O	7/2, 1/1
RATINGS	IP66 Standard TVS 6000V lightning protection, surge protection, voltage transient protection
OPERATING TEMPERATURE RANGE	- 40 °C to 65 °C (- 40 °F to 149 °F)
POWER REQUIREMENTS (MAX.)	24 V AC ± 25% Hi-PoE
BRACKETS	JBPW-L, PMP+WMP-L, WMP-L

Footnotes

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, ISAPI (RESTful), Hikvision SDK and third party VMS.
1. Smart Suite: Refer to Data Sheet. Only availalbe in VCA + Temperature Alarm mode.
*2. Fire detection is only available in Temperature Alarm + Fire Detection mode.*

Performance IP Cameras

Hikvision's Performance Series Products are a great solution for performance on a budget. Equipped with key Smart Pro features, these products deliver greater flexibility with select feature sets, and several models are available in an optional black finish. A selection of performance cameras include DarkFighter technology to enhance performance in low light and ColorVu technologies with Smart Hybrid Lighting.

APPLICATIONS
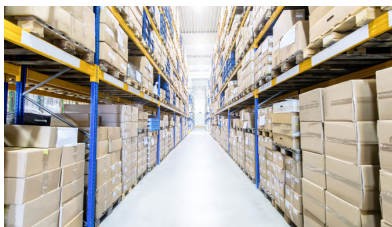
Office Buildings, Warehouses and Factories

Parking Lots

Residential

FEATURES

- 2nd Gen AcuSense provides real-time threat detection that distinguishes people and vehicles from other targets, helping you focus on key events instead of responding to false alarms.
- Motion Detection 2.0 features our upgraded functionality to focus on human and vehicle events with instant alarms and handy search functions.
- EXIR 2.0 (EXtended InfraRed) technology uses the latest manufacturing components and techniques to improve low light performance, efficiency and lifetime of the IR device.
- Powered by DarkFighter technology in some Performance Series cameras improves video quality in low light conditions.
- Hikvision's H.265+ video compression technology captures video using a decreased bitrate, reducing bandwidth requirements and storage costs.

SMART HYBRID LIGHT CAMERAS WITH COLORVU

MODEL	"HX-BL48G2LI2 HX-BL48G2LI4"	"HX-LB48G2LI2 HX-LB48G2LI4"	HX-OD48G2LI2 HX-OD48G2LI4	HX-TR48G2LI2 HX-TR48G2LI4	HX-BL48G2LIZ	HX-BL88G2LIZ	HX-OD48G2LIZ	HX-OD88G2LIZ
FORM FACTOR	Fixed Lens Bullet	Fixed Lens Long Bullet	Fixed Lens Dome	Fixed Lens Turret	Verifocal Bullet	Verifocal Bullet	Verifocal Dome	Verifocal Dome
MEGAPIXELS	4MP	4MP	4MP	4MP	4MP	8MP	4MP	8MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
MIN. ILLUMINATION (LUX)	Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.001 Lux @ (F1.2, AGC ON), 0 Lux with light	Color: 0.0028 Lux @ (F1.2, AGC ON), 0 Lux with light	Color: 0.001 Lux @ (F1.2, AGC ON), 0 Lux with light	Color: 0.0028 Lux @ (F1.2, AGC ON), 0 Lux with light
FOCAL LENGTH & FOV	2.8 mm, horizontal FOV 100.2°, vertical FOV 54.7°, diagonal FOV 119.7°, 4 mm, horizontal FOV 81.1°, vertical FOV 44.7°, diagonal FOV 94.6°	"2.8 mm, horizontal FOV 100.2°, vertical FOV 54.7°, diagonal FOV 119.7°, 4 mm, horizontal FOV 81.1°, vertical FOV 44.7°, diagonal FOV 94.6°"	2.8 mm, horizontal FOV 100.2°, vertical FOV 54.7°, diagonal FOV 119.7°, 4 mm, horizontal FOV 81.1°, vertical FOV 44.7°, diagonal FOV 94.6°	2.8 mm, horizontal FOV 100.2°, vertical FOV 54.7°, diagonal FOV 119.7°, 4 mm, horizontal FOV 81.1°, vertical FOV 44.7°, diagonal FOV 94.6°	2.7 to 13.5 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1°	2.7 to 13.5 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1°	2.7 to 13.5 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1°	2.7 to 13.5 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1°
SUPPLEMENT LIGHT TYPE	IR, White Light	IR, White Light	IR, White Light	IR, White Light	IR, White Light	IR, White Light	IR, White Light	IR, White Light
SUPPLEMENT LIGHT RANGE	Up to 131ft	Up to 131ft	Up to 131ft	Up to 131ft	Up to 196ft	Up to 196ft	Up to 131ft	Up to 131ft
SMART SUPPLEMENT LIGHT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR WAVELENGTH	850nm	850nm	850nm	850nm	850nm	850nm	850nm	850nm
VISUAL ALARM/BI MIC/BI SPK	Built-in Microphone	Audio Line in/out	Built-in mic + audio line in/out	Built-in mic + audio line in/out	audio line in/out	Audio Line in/out	Built-in mic + audio line in/out	Built-in mic + audio line in/out
VIDEO COMPRESSION	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, *The third stream and the fourth stream are supported under certain settings	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, *The third stream and the fourth stream are supported under certain settings	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, *The third stream and the fourth stream are supported under certain settings.	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, *The third stream and the fourth stream are supported under certain settings	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, *Third stream and fourth stream are supported under certain settings	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, *Third stream and fourth stream are supported under certain settings.	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, *Third stream and fourth stream are supported under certain settings	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, *Third stream and fourth stream are supported under certain settings
RATINGS	IP67	IP67	IP67, IK10	IP67	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
BUILT-IN HEATER	No	No	No	No	No	No	No	No
OPERATING TEMPERATURE RANGE	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
POWER REQUIREMENTS (MAX.)	12 VDC ± 25%, 0.7 A, max. 8.5 W, Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 10 W	12 VDC ± 25%, 0.66 A, max. 8 W, Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 10 W	12 VDC ± 25%, 0.6 A, max. 7.2 W, Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8.5 W	12 VDC ± 25%, 0.66 A, max. 8 W, Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 10 W	12 VDC ± 25%, 1.21 A, max. 14.5 W, Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 18 W	12 VDC ± 25%, 1.21 A, max. 14.5 W, Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 18 W	12 VDC ± 25%, 1.0 A, max. 12 W, Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 14 W	12 VDC ± 25%, 1.05 A, max. 12.6 W, Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 15 W
BRACKETS	CBXS	PM, CM	CPM + PC120, CB120, PM, WMS + PC120, CM	CM, CPM + PC130T, WML + PC130T, CB130T, ABM, PM	CB130, CM, PM	CB30, CM, PM	CB140-DM45, SRSL, PM, CPME	CPME, SRSL, PM, CB140-DM45
BRACKETS	PC155, WML, CPM, RCM-5	PM-LPR	PC135H, WML, CPM, PM1, CM1	CM1, PC155, WML, PM1	CB130, PM	PC120, CB120,WMS, CPM	PC140, CB140PT,CPM, WML	CBS, PM, CM

|											
MODEL	HX-D12Z2S HX-D15Z2S HX-D18Z2S	HX-B12Z2S HX-B15Z2S HX-B18Z2S	HX-TZ15F2S HX-TZ18F2S	HX-D14Z2HS HX-D18Z2HS	HX-B14Z2HS HX-B18Z2HS	HX-D12F2S HX-D12F6S HX-D15F2S HX-D15F2SB HX-D15F4S HX-D15F6S HX-D18F2S HX-D18F2SB HX-D18F4S HX-D18F6S	HX-T12F6S HX-T15F2S HX-T15F4S HX-T15F6S HX-T18F2S HX-T18F2SB HX-T18F4S HX-T18F6S	HX-B12F2S HX-B12F4S HX-B12F6S HX-B15F2S HX-B15F4S HX-B15F6S HX-B18F2S HX-B18F4S HX-B18F6S	HX-LB12F6S HX-LB12F12S HX-LB15F2S HX-LB15F4S HX-LB15F12S HX-LB18F2S HX-LB18F4S HX-LB18F12S	HX-T15F2SL HX-T15F4SL HX-T15F6SL	HX-LB15F2SL HX-LB15F4SL HX-LB15F6SL
FORM FACTOR	Outdoor VF Dome	Outdoor VF Bullet	Outdoor VF Turret	Outdoor Varifocal Anti-corrosion Dome	Outdoor Varifocal Anti-Corrosion Bullet	Outdoor Dome	Outdoor Turret	Outdoor Mini Bullet	Outdoor Long Bullet	Outdoor Turret	Outdoor Long Bullet
MEGAPIXELS	2/5/8 MP	2/5/8 MP	5/8 MP	4/8 MP	4/8 MP	2/5 MP	2/5/8 MP	2/5/8 MP	2/5/8 MP	5 MP	5 MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	2 MP: 1/2.8" 5 MP: 1/2.7" 8 MP: 1/1.8"	2 MP: 1/2.8" 5 MP: 1/2.7" 8 MP: 1/1.8"	5 MP: 1/2.7" 8 MP: 1/1.8"	4 MP: 1/1.8" 8 MP: 1/1.8"	4 MP: 1/1.8" 8 MP: 1/1.8"	2 MP: 1/2.8" 5 MP: 1/2.7"	2 MP: 1/2.8" 5 MP: 1/2.7" 8 MP: 1/1.8"	2 MP: 1/2.8" 5 MP: 1/2.7" 8 MP: 1/1.8"	2 MP: 1/2.8" 5 MP: 1/2.7" 8 MP: 1/1.8"	1/2.7"	1/2.7"
MIN. ILLUMINATION (LUX)	2MP: 0.002 Lux@f/1.4 5MP: 0.002 Lux @f/1.4 8MP: 0.003 Lux @f/1.6	2MP: 0.002 Lux@f/1.4 5MP: 0.002 Lux @f/1.4 8MP: 0.003 Lux @f/1.6	5MP: 0.002 Lux @f/1.4 8MP: 0.003 Lux @f/1.6	4MP: 0.0014 Lux @f/1.4 8MP: 0.0014 Lux @f/1.4"	4MP: 0.0014 Lux @f/1.4 8MP: 0.0014 Lux @f/1.4	2MP: 0.002 Lux@f/1.4 5MP: 0.003 Lux @f/1.4	2MP: 0.002 Lux@f/1.4 5MP: 0.003 Lux @f/1.4 8MP: 0.003 Lux @f/1.6	2MP: 0.002 Lux@f/1.4 5MP: 0.003 Lux @f/1.4 8MP: 0.003 Lux @f/1.6	2MP: 0.002 Lux@f/1.4 5MP: 0.003 Lux @f/1.4 8MP: 0.003 Lux @f/1.6	0.003 Lux @f/1.4	0.003 Lux @f/1.4
LENS (FOV HXV)	2.7mm to 13.5mm 2 MP: H: 112.5° to 34°, V: 57.2° to 18.9° 5 MP: H: 101° to 31°, V: 72.2° to 23.4° 8 MP: H: 108.1° to 45.5°, V: 58.4° to 25.7°	2.7mm to 13.5mm 2 MP: H: 112.5° to 34°, V: 57.2° to 18.9° 5 MP: H: 101° to 31°, V: 72.2° to 23.4° 8 MP: H: 108.1° to 45.5°, V: 58.4° to 25.7°	2.7mm to 13.5mm 5 MP: H: 101° to 31°, V: 72.2° to 23.4° 8 MP: H: 108.1° to 45.5°, V: 58.4° to 25.7°	2.8 to 12 mm 4 MP: H: 107° to 40°, V: 56° to 22° 8 MP: H: 112° to 41°, V: 58° to 23°	2.8 to 12 mm 4 MP: H: 107° to 40°, V: 56° to 22° 8 MP: H: 112° to 41°, V: 58° to 23°	2.8mm, 4mm, 6mm 2MP: 2.8 mm, H: 107°, V: 57° 4 mm, H: 86°, V: 47° 6 mm, H: 55°, V: 29° 5MP: 2.8 mm, H: 97°, V: 71° 4 mm, H: 78°, V: 58° 6 mm, H: 44°, V: 34°	2.8mm, 4mm, 6mm 2MP: 2.8 mm, H: 107°, V: 57° 4 mm, H: 86°, V: 47° 6 mm, H: 55°, V: 29° 5MP: 2.8 mm, H: 97°, V: 71° 4 mm, H: 78°, V: 58° 6 mm, H: 44°, V: 34° 8MP: 2.8 mm, H: 111°, V: 59° 4 mm, H: 87°, V: 47° 6 mm, H: 51°, V: 28°	2.8mm, 4mm, 6mm 2MP: 2.8 mm, H: 107°, V: 57° 4 mm, H: 86°, V: 47° 6 mm, H: 55°, V: 29° 5MP: 2.8 mm, H: 97°, V: 71° 4 mm, H: 78°, V: 58° 6 mm, H: 44°, V: 34° 8MP: 2.8 mm, H: 111°, V: 59° 4 mm, H: 87°, V: 47° 6 mm, H: 51°, V: 28°	2.8mm, 4mm, 6mm, 12mm 2MP: 2.8 mm, H: 107°, V: 57° 4 mm, H: 86°, V: 47° 6 mm, H: 55°, V: 29° 12 mm, H: 25°, V: 14° 5MP: 2.8 mm, H: 97°, V: 71° 4 mm, H: 78°, V: 58° 6 mm, H: 44°, V: 34° 12 mm, H: 23°, V: 18° 8MP: 2.8 mm, H: 111°, V: 59° 4 mm, H: 87°, V: 47° 6 mm, H: 51°, V: 28° 12 mm, H: 24°, V: 14°	2.8mm, 4mm, 6mm 2.8 mm, H: 97°, V: 71° 4 mm, H: 78°, V: 58° 6 mm, H: 44°, V: 34°	2.8mm, 4mm, 6mm 2.8 mm, H: 97°, V: 71° 4 mm, H: 78°, V: 58° 6 mm, H: 44°, V: 34°
DAY/NIGHT, BLC, WDR	True, Yes, 120 dt	True, Yes, 120 dt	True, Yes, 120 dt	True, Yes, 140 dB(8MP)/120 dB(4MP)	True, Yes, 140 dB(8MP)/120 dB(4MP)	True, Yes, 120 dt	True, Yes, 120 dt	True, Yes, 120 dt	True, Yes, 120 dt	True, Yes, 120 dt	True, Yes, 120 dt
IR RANGE MAX (METERS)	40 m	60 m	40 m	40 m	60 m	40 m	40 m	40 m	90m	40 m	60m
VISUAL ALARM/BI MIC/BI SPK	-	-	-			-	-	-	-	Yes/Yes/Yes	Yes/Yes/Yes
VIDEO COMPRESSION	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG
MAX. IMAGE RESOLUTION (PIXELS) AND FRAME RATE	2 MP (1920×1080) @60 fps 5 MP (2688×1520) @20 fps 8 MP (3840×2160) @20 fps	2 MP (1920×1080) @60 fps 5 MP (2592×1944) @20 fps 8 MP (3840×2160) @20 fps	5 MP (2592×1944) @20 fps 8 MP (3840×2160) @20 fps	4 MP (2688×1520) @30 fps 8 MP (3840×2160) @24 fps	4 MP (2688×1520) @30 fps 8 MP (3840×2160) @24 fps	2 MP (1920×1080) @60 fps 5 MP (2592×1944) @20 fps	2 MP (1920×1080) @60 fps 5 MP (2592×1944) @20 fps 8 MP (3840×2160) @20 fps	2 MP (1920×1080) @60 fps 5 MP (2592×1944) @20 fps 8 MP (3840×2160) @20 fps	2 MP (1920×1080) @60 fps 5 MP (2592×1944) @20 fps 8 MP (3840×2160) @20 fps	(2592×1944) @20 fps	(2592×1944) @20 fps
AUDIO INPUT/OUTPUT	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
ALARM INPUT/ OUTPUT	1/1	1/1	1/1	3/3	3/3	1/1	1/1	1/1	2/2	1/1	2/2
RATINGS	IP67 . UL/cUL Listed	IP67 . UL/cUL Listed	IP67 . UL/cUL Listed	IP67. IK 10. UL/cUL Listed	IP67. IK 10. UL/cUL Listed	IP67 . UL/cUL Listed	IP67 . UL/cUL Listed	IP67 . UL/cUL Listed	IP67 . UL/cUL Listed	IP67 . UL/cUL Listed	IP67 . UL/cUL Listed
BUILT-IN HEATER				Yes	Yes						
OPERATING TEMPERATURE RANGE	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC, 0.92 A, max. 11 W	12 VDC, 1.08 A, max. 13 W	12 VDC, 1.08 A, max. 11 W	12 VDC, 1.08 A, max. 13 W	12 VDC, 1.08 A, max. 13 W	12 VDC, 0.55A, max. 6.5 W	12 VDC, 0.48A, max. 5.8 W	12 VDC, 0.6A, max. 7.2 W	12 VDC, 1.05A, max. 13 W	12 VDC, 0.65A, max. 7.8 W	12 VDC, 0.95A, max. 12 W
POWER OUTPUT	-	-	-	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA	12 VDC, max. 100 mA	-	-
BRACKETS	PC155, WML, CPM, RCM-5	PM-LPR	PC135H, WML, CPM, PM1, CM1	CM1, PC155, WML, PM1	CB130, PM	PC120, CB120,WMS, CPM	PC140, CB140PT,CPM, WML	CBS, PM, CM	CB130,PM,CM	PC140, CB140PT, CPM, WML	CB130,PM,CM

ColorVu + X Technology

Hikvision's ColorVu technology is paired with multiple other advanced technologies to bring security to the next level, helping users to see further, wider, and clearer, gaining more valuable insights and proactive facility monitoring.

FEATURES

- Panoramic camera delivers seamless 180-degree colorful images with no blind spots
- Up to 4K resolution provides detail-rich full-color images
- Human and vehicle classification to focus on what really matters
- Audio alarm and strobe light camera for proactive deterrence
- Varifocal lens options provide you a flexible installation for your projects

APPLICATIONS
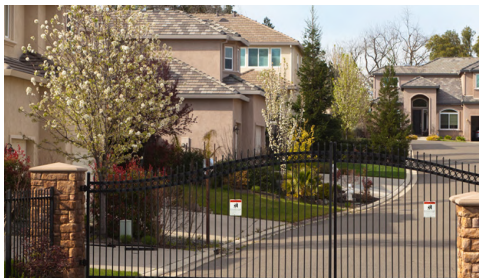
Residential/Gated Communities

Parking Lots

Small Businesses

Parks and Recreation Areas

	ColorVu 24/7 Color with White Light	ColorVu 24/7 Color with White Light	ColorVu 24/7 Color with White Light	ColorVu 24/7 Color with White Light	ColorVu 24/7 Color Audio Alarm & Strobe Light	ColorVu 24/7 Color with White Light	ColorVu 24/7 Color with White Light	ColorVu 24/7 Color with White Light	ColorVu 24/7 Color with White Light	ColorVu 24/7 Color with White Light
MODEL	HX-TR2347G22 HX-TR2347G2B HX-TR2387G22 HX-TR2387G2B	HX-BL2047G22	HX-OD2147GL2 HX-OD2147GL4 HX-OD2187G2 HX-OD2187G4	HX-CD2547F2 HX-CD2547F4	HX-TR2347SL2 HX-TR2347SL4 HX-TR2387SL2 HX-TR2387SL4	HX-BL2T47SL2 HX-BL2T47SL4 HX-BL2T87SL2 HX-BL2T87SL4	HX-BL2647G2P HX-BL2687G2P	HX-OD2747G2P HX-OD2787G2P	HX-TR67G2P2 HX-TR87G2P4	HX-BL67G2P4 HX-BL87G2P4
FORM FACTOR	Outdoor Turret	Outdoor Bullet	Outdoor Dome	Outdoor Compact Dome	Outdoor Turret	Outdoor Bullet	Outdoor Bullet VF	Outdoor Dome VF	Outdoor Panoromic Turret	Outdoor Panoromic Bullet
MEGAPIXELS	4/8 MP	4/8 MP	4MP	4MP	4/8 MP	4/8 MP	4MP	4MP	8 MP	8 MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	4 MP: 1/1.8" 8 MP: 1/1.2"	4 MP: 1/1.8" 8 MP: 1/1.2"	4 MP: 1/1.8"	4 MP: 1/1.8"	4 MP: 1/1.8" 8 MP: 1/1.2"	4 MP: 1/1.8" 8 MP: 1/1.2"	4 MP: 1/1.8"	4 MP: 1/1.8"	6 MP: 2 × 1/2.5" 8 MP: 2 × 1/1.8"	6 MP: 2 × 1/2.5" 8 MP: 2 × 1/1.8"
MIN. ILLUMINATION (LUX)	0.0005 lux @ f/1.0	0.0005 @ f/1.0	0.0005 @ f/1.0	0.0005 @ f/1.0	0.0005 @ f/1.0	0.0005 @ f/1.0	0.0005 @ f/1.0	0.0005 @ f/1.0	0.0005 @ f/1.0	0.0005 @ f/1.0
LENS (FOV HXV)	2.8 mm/4 mm fixed lens 4 MP: 2.8 mm, H: 112°, V: 61° 4 mm,H: 95°, V: 51° 8 MP: 2.8 mm,H: 102°, V: 52° 4 mm, H: 88°, V: 47°	4MP: 2.8 mm/4 mm/6 mm fixed lens 2.8 mm, H: 112°, V: 61° 4 mm, H: 95°, V: 51° 6 mm, H: 58°, V: 31° 8MP: 2.8 mm/4 mm fixed lens 2.8 mm, H: 102°, V: 52° 4 mm, H: 88°, V: 49°	"2.8 mm, H: 106°, V: 61° 4 mm, H: 95°, V: 51°"	"2.8 mm, H: 112°, V: 61° 4 mm, H: 95°, V: 47°"	2.8 mm/4 mm fixed lens 4 MP: 2.8 mm, H: 112°, V: 61° 4 mm,H: 95°, V: 51° 8 MP: 2.8 mm,H: 102°, V: 52° 4 mm, H: 88°, V: 47°	2.8 mm/4 mm fixed lens 4 MP: 2.8 mm, H: 112°, V: 61° 4 mm,H: 95°, V: 51° 8 MP: 2.8 mm,H: 102°, V: 52° 4 mm, H: 88°, V: 47°	2.8 to 12 mm 4 MP: H: 107° to 40°, V: 56° to 22°	2.8 to 12 mm 4 MP: H: 107° to 40°, V: 56° to 22°	6 MP: H: 180° ± 10°, V: 81° 8 MP: H: 180° ± 10°, V: 44°	6 MP: H: 180° ± 10°, V: 81° 8 MP: H: 180° ± 10°, V: 44°
DAY/NIGHT, BLC, WDR	True, Yes, 130 dB	True, Yes, 130 dB	True, Yes, 130 dB	True, Yes, 130 dB	True, Yes, 130 dB	True, Yes, 130 dB	True, Yes, 130 dB	True, Yes, 130 dB	True, Yes, 130 dB	True, Yes, 130 dB
WHITE LIGHT RANGE MAX (METERS)	30 m (Adjustable)	40 m (Adjustable)	30 m (Adjustable)	30 m (Adjustable)	30 m (Adjustable)	60 m (Adjustable)	40 m (Adjustable)	40 m (Adjustable)	40 m (Adjustable)	40 m (Adjustable)
VISUAL ALARM/BI MIC/BI SPK					Yes/Yes/Yes	Yes/Yes/Yes				
VIDEO COMPRESSION	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG
MAX. IMAGE RESOLUTION (PIXELS)AND FRAME RATE	4 MP (2688×1520) @ 30fps 8 MP (3840×2160) @ 24fps	4 MP (2560x1440) @ 30fps 8 MP (3840×2160) @ 24fps	4MP (2688×1520) @ 30fps	4MP (2688×1520) @ 30fps	4 MP (2688×1520) @ 30fps 8 MP (3840×2160) @ 24fps	4 MP (2688×1520) @ 30fps 8 MP (3840×2160) @ 24fps	4 MP (2688×1520) @ 30fps	4 MP (2688×1520) @ 30fps	6MP (3632 × 1632) @ 20fps 8MP (5120 × 1440) @ 15fps	6MP (3632 × 1632) @ 20fps 8MP (5120 × 1440) @ 15fps
AUDIO INPUT/OUTPUT	LU: Built-in Mic	LU: Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	-	-	Built-in Mic	Built-in Mic
ALARM INPUT/OUTPUT	-	-	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
RATINGS	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK8, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-30 to 60 °C (-22 to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30° to 60° C (-22° to 140° F)	-30° to 60° C (-22° to 140° F)	-30° to 60° C (-22° to 140° F)	-30° to 60° C (-22° to 140° F)
POWER REQUIREMENTS (MAX.)	12 VDC, PoE (802.3af), 7.6W	12 VDC, PoE (802.3af), 8.5W	12 VDC, PoE (802.3af), 6.5W	12 VDC, PoE (802.3af), 6.5W	12 VDC, PoE (802.3af), 6.5W	12 VDC, PoE (802.3af), 6.5W	12 VDC, PoE (802.3af), 18W	12 VDC, PoE (802.3af), 12.9W	12 VDC, PoE (802.3af), 10.5W	12 VDC, PoE (802.3af), 10.5W
BRACKETS	CPM, PC140, CB135, WML, CM, PM	CBS, CM, PM	PC120, CB120,WMS, CPM	WMS, PC120, PM, CM, CPM, PC120	PC140, WML, CM, CPM, PM, CB140PT	CBS, CB130, CM, PM	PM1, CM1	WML, CPM, PC155, CM, PM, RCM-5	PC155, WML, CPM	CB130, CM, PM, CBS

PERFORMANCE IP CAMERAS

Value IP Cameras

2ND GEN VALUE IP CAMERAS AND ACUSENSE NVRS:

Outstanding Value with Vast Form Factors, Enhanced Imaging, and AcuSense Motion Detection 2.0

Hikvision's 2nd generation Value IP Cameras and AcuSense NVRs provide real-time threat detection that distinguishes people and vehicles from other targets, helping you focus on key events instead of responding to false alarms. The 2nd gen Value IP Camera delivers outstanding results by setting Motion Detection 2.0 to ON by default, saving users a vast amount of time by eliminating the need to configure settings in the camera. The system allows you to perform target searches quickly and easily, enhancing efficiency for evidence retrieval.

FEATURES

- Human and vehicle classification to focus on what really matters
- Up to 4K resolution provides detail-rich images
- Built-in microphone for real time audio recording
- Varifocal lens options provide you a flexible installation for your projects

APPLICATIONS

Retail/Coffee Shops

Office Buildings

Warehouses

Residential

Parking Lots

	DarkFighter	DarkFighter	DarkFighter	AcuSense	AcuSense	AcuSense	AcuSense	AcuSense	AcuSense	AcuSense	AcuSense	AcuSense		
	Outdoor EXIR 2.0	Outdoor EXIR 2.0	indoor											
MODEL	HX-OD2125MS2 HX-OD2185MS2	HX-VD2725F	HX-FE2955FIS	HX-BL2023G22 HX-BL2043G22 HX-BL2083G22	HX-OD2123G22 HX-OD2143G22 HX-OD2143G2B HX-OD2183G22	HX-TR2323G22 HX-TR43G22 HX-2343G22 HX-2343G22B HX-2383G22 HX-2383G22B	HX-CD2523G22 HX-CD2543G22 HX-CD2543G2B HX-CD2583G22	HX-2543G2W2	HX-BL2623G2Z HX-BL2643G2Z HX-BL2683G2Z	HX-OD2723G2Z HX-OD2743G2Z HX-OD2743G2B HX-OD2783G2	HX-TR2H43G2Z HX-TR2H83G2Z	HX-CD2E43F2	HX-CV2D25F3	HX-CV2D25F2 HX-CV2D25F4
FORM FACTOR	Outdoor Dome	Outdoor Dome	Indoor Fisheye	Outdoor Mini Bullet	Outdoor Dome	Outdoor Turret	Outdoor Mini Dome	Outdoor Wi-Fi Mini Dome	Outdoor Varifocal Bullet	Outdoor Varifocal Dome	Outdoor Varifocal Turret	Indoor In-Ceiling Fixed Dome	Indoor Pinhole	Indoor Covert
MEGAPIXELS	2/8 MP	2 MP	5 MP	2/4/8 MP	2/4/8 MP	2/4/8 MP	2/4/8 MP	4 MP	2/4/8 MP	2/4/8 MP	4/8 MP	4 MP	2 MP	2 MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	2 MP: 1/2.8" 8 MP: 1/2.5"	1/2.8"	1/2.5"	2 MP: 1/2.8" 4 MP: 1/3" 8 MP: 1/2.8"	2 MP: 1/2.8" 4 MP: 1/3" 8 MP: 1/2.8"	2 MP: 1/2.8" 4 MP: 1/3" 8 MP: 1/2.8"	2 MP: 1/2.8" 4 MP: 1/3" 8 MP: 1/2.8"	4 MP: 1/3"	2 MP: 1/2.8" 4 MP: 1/3" 8 MP: 1/2.8"	2 MP: 1/2.8" 4 MP: 1/3" 8 MP: 1/2.8"	4 MP: 1/3" 8 MP: 1/2.8"	4 MP: 1/3"	1/2.8"	1/2.8"
MIN. ILLUMINATION (LUX)	2 MP: 0.009 @ f/1.6, 8 MP: 0.028 @ f/2.0	Color: 0.014 @ f/1.4	Color: 0.034 @ f/2.2	2/4/8 MP: 0.005 @ f/1.6 B/W: 0 with IR	2/4/8 MP: 0.005 @ f/1.6 B/W: 0 with IR	2/4/8 MP: 0.005 @ f/1.6 B/W: 0 with IR	2/4/8 MP: 0.005 @ f/1.6 B/W: 0 with IR	4 MP: 0.005 @ f/1.6 B/W: 0 with IR	2/4/8 MP: 0.005 @ f/1.6 B/W: 0 with IR	2/4/8 MP: 0.005 @ f/1.6 B/W: 0 with IR	4/8 MP: 0.005 @ f/1.6 B/W: 0 with IR	4 MP: 0.005 @ f/1.6	Color: 0.002 @ f/1.2	Color: 0.002 @ f/1.2
LENS (FOV H X V)	2 MP: 2.8mm: H: 108°, V: 58° 4mm H: 86°,V: 46° 6 mm, H: 52° ,V: 29° 8 MP: FOV 2.8 mm,H: 102°, V: 53° 4 mm, H: 79°, V: 42° 6 mm, H: 50° , V: 28°	6 to 22mm H: 44° to 25.8° V: 24.2° to 14.5°	1.05 mm@ f/2.2 (H: 180°, V: 180°)	2 MP: 2.8 mm H:107°, V: 57° 4 mm H: 87°, V: 46° 4 MP: 2.8 mm H 103°,V 55° 4 mm H 84°, V: 45° 8 MP, 2.8 mm H107°, V: 57° 4 mm, H 87°, V: 46°	2 MP: 2.8 mm, H: 107°, V: 57° 4 mm,H: 87°, V: 46° 4 MP: 2.8 mm, H: 103°, V: 55° 4 mm, H: 84°, V: 45° 8 MP: 2.8 mm, H: 107°, V: 57° 4 mm, H: 87°, V: 46°	2 MP: 2.8 mm: H: 107° , V: 57° 4 mm: H: 86° , V: 46° 4 MP: 2.8 mm: H: 103°, V: 58° 4 mm, H: 83°, V: 45° 8 MP: 2.8 mm, H: 102°, V: 53° 4 mm, H: 79°, V: 42°	2 MP: 2.8 mm, :H 108°, V: 59° 4 mm, :H 86°, V: 47° 4 MP: 2.8 mm, H: 103°, V: 56° 4 mm, :H 84°, V: 43° 6 MP: 2.8 mm, :H 106°, V: 59° 4 mm, :H 88°, V: 44°	4 MP: 2.8 mm, H: 103°, V: 56° 4 mm, :H 84°, V: 43°	2.8 to 12 mm @ f/1.6, motorized, autofocus 2 MP: H 107° to 32° V: 55° to 18° 4 MP: H 96° to 29° V: 51° to 17° 8 MP: H 108° to 30° V 56° to 17°	2.8 to 12 mm @ f/1.6, motorized, autofocus 2 MP: H: 107° to 32° V: 55° to 18° 4 MP: H: 96° to 29° V: 51° to 17° 8 MP: H: 108° to 30° V: 56° to 14°	2.8 to 12 mm @ f/1.6, motorized, autofocus 4 MP: H: 96° to 29° V: 51° to 17° 8 MP: H: 108° to 30° V: 56° to 17°	2.8 mm: H: 103°,V: 55° 4 mm: H: 84°, V: 43°	Pinhole, 3.7 mm @ f/1.2/ 78° H: 76°, V: 42°	2.8 mm: H: 108°,V: 58° 4 mm H: 83°, V: 45°
DAY/NIGHT, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
IR RANGE MAX (METERS)	30	-	8	40	30	30	30	30	60	40	40	-	-	-
VIDEO COMPRESSION	H.265/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
MAX. IMAGE RESOLUTION (PIXELS) AND FRAME RATE	2 MP (1920×1080), 60 8 MP (3840×2160), 20	2 MP (1920×1080), 30	5 MP (2560×1920), 30	2 MP (1920×1080), 30 4 MP (2688×1520), 30 8 MP (3840×2160), 20	2 MP (1920×1080), 30 4 MP (2688×1520), 30 8 MP (3840×2160), 20	2 MP (1920×1080), 30 4 MP (2688×1520), 30 8 MP (3840×2160), 20	2 MP (1920×1080), 30 4 MP (2688×1520), 30 8 MP (3840×2160), 20	4 MP (2688×1520), 30	2 MP (1920×1080), 30 4 MP (2688×1520), 30 8 MP (3840×2160), 20	2 MP (1920×1080), 30 4 MP (2688×1520), 30 8 MP (3840×2160), 20	4 MP (2688×1520), 30 8 MP (3840×2160), 20	4 MP (2688×1520), 30	2 MP (1920×1080), 60	2 MP (1920×1080), 60
AUDIO INPUT/OUTPUT	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	Built-in Mic	Built-in Mic	Built-in Mic	IN: Mic & 1 line OUT: 1 line	IN: Mic & 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	Built-in Mic	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
ALARM INPUT/OUTPUT	1/1	1/1	1/1	-	-	-	1/1	1/1	1/1	1/1	1/1	-	-	-
RATINGS	UL/cUL Listed	IP67, IK10, UL/cUL Listed	UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
OPERATING TEMPERATURE RANGE	-10 to 40 °C (14 to 104 °F)	-30 to 60 °C (-22 to 140 °F)	-10 to 50 °C (-14 to 122 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-10 to 50 °C (14 to 122 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC, PoE (802.3af), 8.5 W	24 VAC ± 10%, Φ5.5mm coaxial power plug; PoE (802.3af), 8.5W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 7.2 W	"12 VDC, PoE (802.3af), 7.5 W "	12 VDC, PoE (802.3af), 8 W	12 VDC, PoE (802.3af), 10 W	12 VDC, PoE (802.3af), 10 W	12 VDC, PoE (802.3at), 15 W	12 VDC, PoE (802.3at), 12 W	12 VDC, PoE (802.3at), 12.5 W	12 VDC, 3.2 W	12 VDC, 1.5 W	12 VDC, 1.5 W
BRACKETS	PC120, WMS, CPM, CM, PM	RCM-G, Fits in DF-5 housing	WM-C AB-FE2 PP1 PP2	CBXS	PM, CB120(B). SRSM, CM, CPM, PC120(B), WMS(B)	WML(B), PC130T(B), CM, PM, CB130T(B), CBM(B), ABM(B), CPM	WMS(B), PC120(B), CPM, CM, PM, CB120(B)	WMS(B), PC120(B), CPM, CM, PM, CB120(B)	CBS, CB130, CM, PM	WML(B), PC155(B), CPM, CM, PM, CB155(B), RCM-DM44	WML(B), PC140(B), CPM, CB140(B)	-	-	-

Value Network PTZ Cameras

LONG DISTANCE 24/7 COLORFUL IMAGING

- Fixed F1.2 Aperture with ColorVu technology

WHITE LIGHT AND IR LIGHT OPTIONAL

- 492 feet (150 m) IR Light or 328 Feet (100 m) white light

INTELLIGENCE

- AcuSense technology
- Auto Tracking 2.0
- Live Guard

PTZ with ColorVu is the first fixed F1.2 large aperture PTZ in the market, which is able to provide up to 328 feet long distance monitoring with color details through the zooming process. It's the only camera with ColorVu that support Auto Tracking 2.0 function. The PTZ with ColorVu support two kinds of supplemental light, white light or IR light. For users who enjoy the covert of IR light, PTZ with ColorVu provides better black and white imaging due to it's large sensor and large aperture compared to conventional PTZ.

ColorVu

HX-ND7A812MC
HX-7A412MCGE
HX-ND7A220MC

AUDIBLE ALARM AND STROBE LIGHT RESPOND TO SECURITY THREATS PROACTIVELY, IN REAL TIME

When a human or vehicle target is detected, triggering a VCA event, the strobe light and audio alarm work instantly to ward off the trespasser.

Warning! This is a restricted area, please keep away!

*Audio customization is supported. (3 pieces)

ADAPTABLE TO VARIOUS SCENARIOS WITH FLEXIBLE LIGHTING

Cellphone

PTZ with ColorVu - Color Mode

Conventional PTZ with IR

PTZ with ColorVu - IR Mode

NETWORK PTZ CAMERAS

ColorVu

Smart Tracking

MODEL	HX-NOD2A404I	HX-NOD3A400W	HX-NOD3404W	HX-PTW3220IW	HX-PTP3220IW	HX-NOD4A225I	HX-NOD4A425A	HX-NOD4225IW	HX-NID5225A3	HX-NOD5232W
TYPE	INDOOR IR PTZ	INDOOR/OUTDOOR PT	INDOOR/OUTDOOR PTZ	INDOOR/OUTDOOR IR PTZ	INDOOR/OUTDOOR IR PTZ	INDOOR/OUTDOOR IR PTZ	INDOOR/OUTDOOR IR PTZ (Smart Tracking)	INDOOR/OUTDOOR IR PTZ	INDOOR PTZ	INDOOR/OUTDOOR PTZ
MEGAPIXELS	4 MP	4 MP	4 MP	2 MP	2 MP	2 MP	4MP	4 MP	2 MP	2 MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	1/3"	1/1.8"	1/2.8"	1/2.8"	1/2.8"	1/2.8"	1/2.8"	1/2.8"	1/2.8"	1/2.8"
MIN. ILLUMINATION (LUX)	Color: 0.005 @ ƒ/1.6 B/W: 0 with IR	Color: 0.0005 @ ƒ/1.0	Color: 0.005 @ ƒ/1.5 B/W: 0.001 @ ƒ/1.5	Color: 0.05 @ ƒ/1.6 B/W: 0 with IR	Color: 0.05 @ ƒ/1.6 B/W: 0 with IR	Color: 0.005 @ ƒ/1.6 B/W: 0 with IR	Color: 0.005 @ ƒ/1.6 B/W: 0.001 @ ƒ/1.6; 0 with IR	Color: 0.005 @ ƒ/1.6 B/W: 0.001 @ ƒ/1.6	Color: 0.005 @ ƒ/1.6 B/W: 0.001 @ ƒ/1.6"	Color: 0.005 @ ƒ/1.6 B/W: 0.001 @ ƒ/1.6
LENS (FOV H X V)	2.8 to 12 mm, motorized zoom, autofocus	4mm	2.8 to 12 mm, motorized zoom, autofocus	4.7 to 94 mm, motorized zoom, autofocus	4.7 to 94 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	4.8 to 153 mm, motorized zoom, autofocus
OPTICAL ZOOM (DIGITAL)	4x(16x)	-	4x (16x)	20x (16x)	20x (16x)	25x (16x)	25x (16x)	25x (16x)	25x (16x)	32x (16x)
PAN RANGE	0° to 355°	0° to 355°	0° to 350°	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
TILT RANGE	0° to 90°	0° to 90°	0 to 90°	-40° to 30°	-40° to 30°	-5° to 90°	-5° to 90°	-15° to 90° (auto flip)	0° to 90°	-5° to 90°
PAN & TILT SPEED (MANUAL)	Pan: 0.1° to 100°/sec Tilt: 0.1° to 100°/sec	0.1° to 60°/sec. & 0.1° to 50°/sec.	0.1° to 60°/sec. & 0.1° to 50°/sec.	0.1° to 50°/sec. & 0.1° to 25°/sec.	0.1° to 50°/sec. & 0.1° to 25°/sec.	0.1° to 300°/sec. & 0.1° to 160°/sec.	0.1° to 300°/sec. & 0.1° to 350°/sec.	0.1° to 80°/sec. & 0.1° to 80°/sec.	0.1° to 250°/sec. & 0.1° to 150°/sec.	0.1° to 250°/sec. & 0.1° to 150°/sec.
PAN & TILT SPEED (PRESET)	Pan: 100°/sec. Tilt: 100°/sec.	60°/sec. & 50°/sec.	60°/sec. & 50°/sec.	50°/sec. & 25°/sec.	50°/sec. & 25°/sec.	350°/sec. & 200°/sec.	160°/sec. & 200°/sec.	80°/sec. & 80°/sec.	300°/sec. & 200°/sec.	300°/sec. & 200°/sec.
DAY/NIGHT	True	TRUE	True	True	True	True	True	True	True	True
IMAGE ENHANCEMENT	120 dB WDR, AGC, AWB, DNR, BLC	120 dB WDR, 3D DNR, HLC, EIS	120 dB, AGC, AWB, 3D DNR, HLC, BLC, Digital Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus
IR RANGE MAX (METERS)	20	-	-	100	100	50	50	100	-	-
WHITE LIGHT	-	30	-	-	-	-	-	-	-	-
3D POSITIONING	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
VIDEO COMPRESSION	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264
MAX. IMAGE RESOLUTION (PIXELS) AND FRAME RATE	2560×1440, 24	4 MP (2560×1440), 30	3 MP (2048×1536), 30	2 MP (1920×1080), 60	2 MP (1920×1080), 60	2 MP (1920×1080), 60	4MP: 2560×1440, 30	4 MP (2560x1440), 30	2 MP (1920×1080), 30	2 MP (1920×1080), 60
RATINGS	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	IP66, IK10, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-20 to 60 °C (-4 to 140 °F)	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-10 to 50 °C (14 to 122 °F)	-30 to 65 °C (-22 to 149 °F)
POWER REQUIREMENTS (MAX.)	12 VDC, PoE (802.3af), 11.2 W(4.2W for IR)	12V DC PoE (802.3af), 14 W	12 VDC, PoE (802.3af), 8 W	12V DC PoE (802.3at), 19 W	12V DC PoE (802.3at), 19 W	12 VDC, PoE (802.3at), 23 W	12 VDC, PoE + (802.3at), 24 W	12 VDC, PoE (802.3at)	24 VAC, PoE+ (802.3at), 20 W	24V AC, Hi-PoE, 22 W
BRACKETS	PP1, PP2, WMP-MPZ	Wall Mount Included	PC140PT, RPM, WMS, WML, PM, CM, RCM-4, PC140PT, CPM, CPME, CB140PT	Wall Mount Included		PC-DE4A, RPM, WML, PM, CM, RCM-DE4A, CPM, CPME, CB-DE4A	DS-1605ZJ, DS-1671ZJ-SD11, DS-1280ZJ-SD11, DS-1691ZJ-L, DS-1691ZJ, DS-1691ZJ-M	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	Ceiling Recess/Flush Mount Included	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE

MODEL	HX-ND7A425IW	HX-ND7A432IW	HX-ND7A825IW	HX-ND7A220MC	HX-7A412MCGE	HX-ND7A812MC
TYPE	INDOOR/OUTDOOR IR PTZ (Smart Tracking)	INDOOR/OUTDOOR IR PTZ (Smart Tracking)	INDOOR/OUTDOOR IR PTZ (Smart Tracking)	INDOOR/OUTDOOR IR PTZ (Smart Tracking)	INDOOR/OUTDOOR IR PTZ (Smart Tracking)	INDOOR/OUTDOOR IR PTZ (Smart Tracking)
MEGAPIXELS	4 MP	4 MP	8 MP	2 MP	4 MP	8 MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	1/2.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"
MIN. ILLUMINATION (LUX)	Color: 0.005 @ f/1.6, B/W: 0.001 @ f/1.6; 0 with IR	Color: 0.005 @ f/1.5 B/W: 0 with IR	Color: 0.005 @ f/1.5 B/W: 0 with IR	Color: 0.0005Lux @ f/1.2 B/W: 0.0001Lux @ f/1.2, 0 lux with light	Color: 0.0005Lux @ f/1.2 B/W: 0.0001Lux @ f/1.2, 0 lux with light	Color: 0.0005Lux @ f/1.2 B/W: 0.0001Lux @ f/1.2, 0 lux with light
LENS (FOV H X V)	4.8 to 120 mm, motorized zoom, autofocus	5.9 to 188.8 mm, motorized zoom, autofocus	5.9 to 147.5 mm, motorized zoom, autofocus	6.7 to 134 mm, motorized zoom, autofocus	6.7 to 80.4 mm, motorized zoom, autofocus	6.7 to 80.4mm, motorized zoom, autofocus
OPTICAL ZOOM (DIGITAL)	25x (16x)	32x (16x)	25x (16x)	20x (16x)	12x (16x)	12x (64x)
PAN RANGE	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
TILT RANGE	-15° to 90°	-15° to 90°	-15° to 90°	-15° to 90°	-15° to 90°	-15° to 90°
PAN & TILT SPEED (MANUAL)	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.
PAN & TILT SPEED (PRESET)	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.
DAY/NIGHT	True	True	True	True	True	True
IMAGE ENHANCEMENT	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus
IR RANGE MAX (METERS)	200	200	200	150	150	150
WHITE LIGHT	-	-	-	100	100	100
3D POSITIONING	Yes	Yes	Yes	Yes	Yes	Yes
VIDEO COMPRESSION	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG
MAX. IMAGE RESOLUTION (PIXELS)AND FRAME RATE	4 MP (2560×1440), 30	4 MP (2560×1440), 30	8 MP (3840×2160), 24	2 MP (1920×1080), 24	4 MP (2560×1440), 30	8 MP (3840×2160), 24
RATINGS	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)
POWER REQUIREMENTS (MAX.)	24V AC, Hi-PoE (802.3at), 42 W	24V AC, Hi-PoE (802.3at), 42 W	24V AC, Hi-PoE (802.3at), 42 W	24V AC, Hi-PoE (802.3at), 42 W	24V AC, Hi-PoE (802.3at), 42 W	24V AC, Hi-PoE (802.3at), 42 W
BRACKETS	DS-1602ZJ, DS-1660ZJ, DS-1661ZJ, DS-1663ZJ, DS-1673ZJ, DS-1682ZJ DS-1604ZJ, DS-1604ZJ-BOXCORNER, DS-1619ZJ , DS-1681ZJ , DS-1662ZJ , DS-1604ZJ-BOXPOLE , DS-1667ZJ, DS-1604ZJ-box	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	DS-1602ZJ , DS-1660ZJ, DS-1661ZJ DS-1663ZJ, DS-1673ZJ , DS-1682ZJ DS-1604ZJ , DS-1604ZJ-BOXCORNER , DS-1619ZJ , DS-1681ZJ , DS-1662ZJ , DS-1604ZJ-BOXPOLE , DS-1667ZJ, DS-1604ZJ-box	WMP-L, DS-1681ZJ, JBPW-L, SNB-PV, CPM-S, CMPL, PMPL, RPM, CPMPE, PMP, DS-1667ZJ, CPM-L, JBPW, DS-1663ZJ, DS-1100KI(B)	WMP-L, DS-1681ZJ, JBPW-L, SNB-PV, CPM-S, CMPL, PMPL, RPM, CPMPE, PMP, DS-1667ZJ, CPM-L, JBPW, DS-1663ZJ, DS-1100KI(B)	WMP-L, DS-1681ZJ, JBPW-L, SNB-PV, CPM-S, CMPL, PMPL, RPM, CPMPE, PMP, DS-1667ZJ, CPM-L, JBPW, DS-1663ZJ, DS-1100KI(B)

MODEL	HX-4C425MWG	HX-SE7C432MW	HX-2SF8C414F	HX-SF8C442F0
TYPE	TandemVu PTZ	TandemVu PTZ	TandemVu PTZ	TandemVu PTZ
MEGAPIXELS	Panoramic: 4M; PTZ: 4M	Panoramic: 4M; PTZ: 4M	Panoramic: 4M; PTZ: 4M	Panoramic: 6M; PTZ: 4M
MIN. ILLUMINATION (LUX)	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR	Bullet: 0.0005 @ f/1.0; 0 lux with light PTZ: Color 0.005 @ f/1.5, B/W 0.001 @ f/1.5; 0 Lux	Bullet: 0.0005 @ f/1.0; 0 lux with light PTZ: Color 0.005 @ f/1.2, B/W 0.001 @ f/1.2; 0 Lux	[Panoramic channel] Color: 0.0005 Lux @ f/1.4, B/W: 0.0001 Lux @f/1.4, 0 Lux with light [PTZ channel] Color: 0.0005 Lux @ f/1.3, B/W: 0.0001 Lux @ f/1.3, 0 lux with IR
LENS (FOV H X V)	[Bullet channel]: 2.8mm (H: 96.1°, V: 52.1°) [PTZ channel]: 74.8-120mm (25X) (H: 55° -2.4°; V: 33° -1.4°)	Panoramic: 4mm (H: 79°, V: 42.4°) PTZ: 5.9 mm to 188.8 mm (60.2° - 2.3°)	Panoramic: 4mm (H: 89°, V: 45.5°) PTZ: 5.9 mm to 188.8 mm (59° - 2°)	Panoramic: 2.8 mm (H: 190°, V: 80°) PTZ: 6 mm to 252 mm (H: 59° - 2°, V: 34.2° - 11°)
WHITE LIGHT RANGE MAX	30M (98ft)	30M (98ft)	30M (98ft)	30M (98ft)
OPTICAL ZOOM (DIGITAL)	25X (16X Digital)	32X (16X Digital)	42X (16X Digital)	42X (16X Digital)
PAN RANGE	360° endless	360° endless	360° endless	360° endless
TILT RANGE	-15° to 90°	-15° to 90°	-20° to 90°	-20° to 90°
PAN & TILT SPEED (MANUAL)	0.1° to 80°/sec. & 0.1° to 80°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.
PAN & TILT SPEED (PRESET)	80°/sec. & 80°/sec.	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.
DAY/NIGHT	True	True	True	True
IMAGE ENHANCEMENT	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus
IR RANGE MAX (METERS)	100M (300 ft)	150M (490 ft)	300M (980 ft)	300M (980 ft)
3D POSITIONING	Yes	Yes	Yes	Yes
VIDEO COMPRESSION	H.265+/H.265/H.264+/H.264/ MJPEG	H.265+/H.265/H.264+/H.264/ MJPEG	H.265+/H.265/H.264+/H.264/ MJPEG	H.265+/H.265/H.264+/H.264/ MJPEG
"MAX. IMAGE RESOLUTION (PIXELS)AND FRAME RATE"	4 MP (2560x1440), 30	4 MP (2560x1440), 30	4 MP (2560x1440), 30	Panoramic: 6 MP (3680x1656), 30 PTZ: 4 MP (2560x1440), 30
RATINGS	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
"OPERATING TEMPERATURE RANGE"	-30 to 65 °C (-22 to 149 °F)	-30 to 65 °C (-22 to 149 °F)	-40 to 70 °C (-40° to 158 °F)	-40 to 70 °C (-40° to 158 °F)
"POWER REQUIREMENTS (MAX.)"	12V DC, Hi-PoE (802.3at), 24 W	24V AC, Hi-PoE (802.3at), 42 W	36V VDC, Hi-PoE (802.3at), 60 W	36V DC, Hi-PoE (802.3at), 60 W
BRACKETS	CPM-S, WMP-S, DS-1681ZJ, DS-1663ZJ	CPMS, WMPL, CMP, PMP	DS-1661ZJ-P, DS-1603ZJ-Pole-P, DS-1603ZJ-P	DS-1661ZJ-P, DS-1603ZJ-Pole-P, DS-1603ZJ-P, CPM-L-G

Value Express IP Cameras

Designed and built for projects that are budget-conscious and require excellent performance, our Value Express product family hosts H.265+ video compression technology for improved bandwidth. This range of IP and TurboHD products are available in multiple housing models including dome, bullet, turret, varifocal and PTZ for diverse applications. From order to installation, this family of products offers quick cost planning, is easy to order, and provides a simplified installation process.

FEATURES

- Perfect for budget-minded customers
- Solid metal construction for durability and varied environmental conditions
- EXIR 2.0 (EXtended InfraRed) technology for excellent nighttime performance
- Multiple form factors, including Indoor/Outdoor Dome, Turret, Bullet and PTZs
- Available in 2 MP or 4 MP with fixed or motorized zoom lenses

APPLICATIONS

Residential

Small Business

Restaurant/Café

NETWORK CAMERAS

	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	COLORVU
MODEL	HX-ECIB12F2 HX-ECIB14F2	HX-ECID12F2 HX-ECID14F2	HX-ECIT22F2 HX-ECIT24F2 HX-ECIT28F2	HX-ECID64Z2	HX-ECIB64Z2	HX-TR1347G2F
FORM FACTOR	Outdoor Fixed Bullet	Outdoor Fixed Dome	Outdoor Fixed Turret	Outdoor VF Dome	Outdoor VF Bullet	Outdoor Fixed Turret
MEGAPIXELS	2/4 MP			2/4 MP		4MP
SENSOR SIZE (PROGRESSIVE SCAN CMOS)	2 MP: 1/2.8" 4 MP: 1/3"	2 MP: 1/2.8" 4 MP: 1/3"	2 MP: 1/2.8" 4 MP: 1/3"	2 MP: 1/2.8" 4 MP: 1/3"	2 MP: 1/2.8" 4 MP: 1/3"	4 MP: 1/3"
MIN. ILLUMINATION (LUX)	2 MP: Color 0.028 @ ƒ/2.0 4 MP Color 0.03 @ ƒ/2.0 B/W: 0 with IR			Color: 0.018 @ ƒ/1.6 B/W: 0 with IR		Color: 0.001 Lux @ ƒ/1.0
LENS (FOV H X V)	ECI-B12F: 2.8 mm, H 103°,V 59° 4 mm, H 86°, V 46° ECI-B14F: 2.8 mm, H 100°, V 55° 4 mm, H 77°, V 42° ECI-D12F: 2.8 mm, H 114°, V 62° 4 mm, H86°,V 46° ECI-D14F: 2.8 mm, H 100°, V 55° 4 mm, H 77°, ==V 42° ECI-T22F: 2.8 mm, H 114.5°, =V 62° 4 mm, H 86°,V 46° ECI-T24F: 2.8 mm, H 100°, V 55° 4 mm, H 77°, V 42°			2.8 to 12 mm @ ƒ/1.6, motorized ECI-D62Z2/ECI-B62Z2: H: 98° to 34° V: 52° to 19° ECI-D64Z2/ECI-B64Z2: H: 98° to 28° V: 51° to 16°		2.8mm, H 96°,V 52°
IR RANGE MAX (METERS)	30			30		30 (White Light)
DAY/NIGHT, BLC, WDR	2 MP: True/Yes/Digital 4MP: True, Yes, 120 dB			2 MP: True/Yes/Digital 4MP: True, Yes, 120 dB		True, Yes, 120 dB
VIDEO COMPRESSION	H.265+/H.265/H.264+/H.264/MJPEG			H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG
MAX. IMAGE RESOLUTION (PIXELS)AND FRAME RATE	2 MP (1920×1080), 30 4 MP (2560×1440), 20			2 MP (1920×1080), 30 4 MP (2560×1440), 20		4 MP (2560×1440), 20
SMART FEATURES	-			-		-
AUDIO INPUT/OUTPUT	-			-		-
ALARM INPUT/OUTPUT	-			-		-
RATINGS	IP67, UL/cUL Listed; ECI-D12F IK10 IP67, UL/cUL Listed; ECI-D12F/ECI-D14F IK10			IP67, UL/cUL Listed; ECI-D62Z2/ECI-D64Z2 IK10		IP67, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-30 to 50 ℃ (-22 to 122 °F)			-30 to 50 ℃ (-22 to 122 °F)		-30 to 60 ℃ (-22 to 140 °F)
POWER REQUIREMENTS (MAX.)	ECI-B12F/ECI-B14F/ECI-D12F/ECI-D14F: 12 VDC, PoE (802.3af), 7 W ECI-T22F/ECI-T24F: 12 VDC, PoE (802.3af), 6.5 W			ECI-D62Z2/ECI-D64Z2: 12 VDC, PoE (802.3af), 12 W ECI-B62Z2/ECI-B64Z2: 12 VDC, PoE (802.3af), 12.9 W		12 VDC, PoE (802.3af), 5 W
STANDARDS	Complies with ONVIF (Profile S and G), ASAPI. Contact for factory details			Complies with ONVIF (Profile S and G), ASAPI. Contact for factory details		
BRACKETS	CBXS	CB110, AB110, CPM, CM, PC110, WMS, WM110, SRS, SRSM	WML, PC130T, CM, PM, CB130T, CBM, ABM, CPM	CB135, AB135, PC135, WML, CPM, CM, PM, RCM-1(requires 190310441)	CB130	WMS, PC110T, CM, CBS, PM, ABM

Network Video Recorders

Meeting all bandwidth and storage utilization requirements, Smart Pro NVRs support recording of up to 12 MP camera resolution, Ultra High Definition (UHD) output up to 4K, up to 240 TB of storage capacity, and H.265+ video compression to increase storage space by 50 to 70 percent.

Our Performance NVRs include the 2nd generation AcuSense series that filters false alarms and will recognize targets, classifying them as human, vehicle, or other. Hikvision AcuSense works by disregarding movements in nature, such as animals, rain or leaves, while triggering alerts when vehicles or humans are detected. The Quick Target Search feature easily locates the most important recordings, saving time and money when reviewing alarm and event activity.

Our popular Plug and Play NVRs provide easy installation and operation. These Value and Performance NVRs manage bandwidth and storage with H.265+ video compression technology. The newly released GUI features a more concise design. There are 5 modules for quick access and 2 modes for more efficient operation. The easy mode shows frequently used configurations. And the expert mode displays all configurations provided to professional users.

FEATURES

- High performance, fully loaded NVRs from 4- to 256-channel inputs
- H.265+ compression technology that minimizes bandwidth
- 8K Ultra High Definition (UHD) HDMI output or dual 4K resolution output
- Storage capacity from 1 TB to 240 TB, for months of recording with built-in support of RAID 1, 5, 6 and 10 data redundancy storage NVRs
- Performance and Value Series Plug and Play NVRs ensure easy installation and configuration

APPLICATIONS

Residential
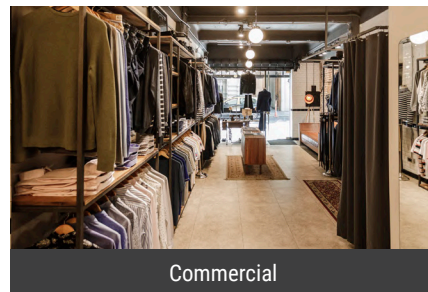
Commercial

Industrial

	M SERIES	M SERIES (NEW!)
MODEL	HX-N9616M HX-N9632M HX-N9664M	HX-N9664MR HX-N96128MR
MAX. RECORDING RESOLUTION	32 MP	32 MP
VIDEO COMPRESSION	H.264, H264+, H.265, H.265+, MPEG4	H.264, H264+, H.265, H.265+, MPEG4
HDMI/VGA OUTPUT	7680x4320/3840x2160(HDMI/VGA1 Synchronous, 3840x2160/1920x1080(HDMI2/VGA Synchronous), HDMI1/HDMI2 Independent	7680x4320/3840x2160(HDMI/VGA1 Synchronous, 3840x2160/1920x1080(HDMI2/VGA Synchronous), HDMI1/HDMI2 Independent
IP VIDEO INPUTS	16/32/64	64/128
ALARM INPUT/OUTPUT	16/9	16/9
RAID SUPPORT	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
INTERNAL SATA	8 SATA interfaces (up to 14 TB each)	16 SATA interfaces (up to 14 TB each)
MAXIMUM INTERNAL STORAGE	112 TB	224 TB
MAX INCOMING BANDWIDTH (MBPS)	HX-N9616M: 280 HX-N9632M: 320 HX-N9664M: 400	400
MAXIMUM OUTGOING BANDWIDTH (MBPS)	400	400
MAX. REMOTE CONNECTIONS	128	128
RACK UNITS	2	3
POWER REQUIREMENTS	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz, redundant power supply
POWER CONSUMPTION	≤30 W without HDD or DVD-R/W	≤50 W without HDD

	DEEPINMIND
MODEL	-
MAX. RECORDING RESOLUTION	12MP
SMART FEATURE	Up to 16-ch perimeter protection Up to 8-ch facial recognition for video stream, or up to 16-ch facial recognition for face picture Up to 8-ch video structuralization
VIDEO COMPRESSION	H.265/H.265+/H.264/H.264+/MPEG4
HDMI/VGA OUTPUT	3840x2160/2560 x 1440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous) ,HDMI1/HDMI2 Independent
IP VIDEO INPUT	32
AUDIO INPUT/OUTPUT	1 line in/2 line out
ALARM INPUT/OUTPUT	RAID0, RAID1, RAID5, RAID6, RAID10
INTERNAL SATA	8 SATA interfaces(up to 10 TB each)
MAX. INTERNAL STORAGE	80TB
MAX INCOMING BANDWIDTH (MBPS)	320
MAXIMUM OUTGOING BANDWIDTH (MBPS)	256
MAX. REMOTE CONNECTIONS	128
RACK UNITS	2
RATINGS	UL/cUL Listed
POWER REQUIREMENTS	≤70 W without HDD

	Q SERIES PLUG AND PLAY	K SERIES WITH ACUSENSE	M SERIES PLUG AND PLAY	M SERIES PLUG AND PLAY	M SERIES PLUG AND PLAY
MODEL	HX-N7604QP HX-N7608QP HX-N7616QP	HX-N7604XKS HX-N7608XKS HX-N7616XKS	HX-N7608MP HX-N7616MP	HX-N7716MP	HX-N7732M HX-N7732MP HX-N7732M24P
MAX. RECORDING RESOLUTION	8MP	12 MP	12 MP	12 MP	12 MP
VIDEO COMPRESSION	H.265/H.265+/H.264/H.264+	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
HDMI/VGA OUTPUT	"4K (3840×2160)/1920×1080 sync output"	7680 × 4320/1920×1080, independent output	2x HDMI - 7680 × 4320/3840 × 2160 1x VGA - 1920x1280 1 CVBS output)	2x HDMI - 7680 × 4320/3840 × 2160 1x VGA - 1920x1280 1 CVBS output)	2x HDMI - 7680 × 4320/3840 × 2160 1x VGA - 1920x1280 1 CVBS output)
IP VIDEO INPUT	4/8/16-ch IPC with integrated 4/8/16-port 802.3af/at PoE switch	8/16-ch IPC with integrated 8/16-port 802.3af/at PoE switch	16-ch IPC with integrated 16-port 802.3af/at PoE switch	32-ch without PoE 32-ch IPC with integrated 16/24-port 802.3af/at PoE switch	32-ch without PoE 32-ch IPC with integrated 16-port 802.3af/at PoE switch
AUDIO INPUT/OUTPUT	1 line in/1 line out	1 line in/1 line out	1 line in/1 line out	1 line in/1 line out	1 line in/1 line out
ALARM INPUT/ OUTPUT	4 ch/1 ch	4 ch/1 ch	16 ch/9 ch	16 ch/9 ch	16 ch/9 ch
INTERNAL SATA	1 (4ch)/2 (8/16ch) SATA interface (up to 8 TB each)	2 SATA interfaces (up to 10 TB each)	4 SATA interfaces (up to 10 TB each)	4 SATA interfaces (up to 10 TB each)	4 SATA interfaces (up to 10 TB each)
MAX. INTERNAL STORAGE	8 TB (4ch), 16 TB (8/16ch)	20 TB	40 TB	40 TB	40 TB
MAX INCOMING BANDWIDTH (MBPS)	40 (4ch,) 80 (8ch), 160 (16ch)	128 (8ch), 256 (16ch)	256	320	320
MAXIMUM OUTGOING BANDWIDTH (MBPS)	80	256	256	400	400
MAX. REMOTE CONNECTIONS	16 16 (4ch,) 64 (8/16ch)	128	128	128	128
RACK UNITS	1	1	1,5	1,5	1.5
RATINGS	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
POE BUDGET	50 W (4ch) 80 W (8ch), 150 W (16ch)	120 W (8ch), 200 W (16ch)	200 W	"0 (I4), 200 W (16P), 210 W (24p)"	0 (I4), 200 W (16P)
POWER REQUIREMENTS	48VDC (4ch), 100-240VAC (8/16ch), ≤15W without HDD	100 to 240 VAC, ≤15W without HDD	100 to 240 VAC, ≤15W without HDD	100 to 240 VAC, ≤15W without HDD	100 to 240 VAC, ≤15W without HDD

Value Express IP Kits

ColorVu   AcuSense

Hikvision's ColorVu IP Bundle Kit elevates our IP kit with plug-and-play ColorVu IP cameras, a 4K NVR, and a pre-installed HDD. This provides a convenient DIY experience and allows customers to enjoy 24/7 vivid, color images. ColorVu's f1.0 large aperture, high-sensitivity sensor, and advanced ISP imaging technology provide full-color video and images around the clock.

Value Express IP IR Kits are complete recorder and camera kits for single-site applications. Kits contain a 4K UHD recorder and multiple cameras in a single box, suitable for DIY in residential or small business applications. These IP Kits include 4-, 8-, or 16- channel recorders along with 4, 6, or 12 cameras respectively.

Wi-Fi IP Kits are complete recorder and camera kits for value-oriented users. Kits contain a 4 MP Wi-Fi recorder and multiple Wi-Fi cameras in a single box, suitable for DIY residential or small business applications. These IP Kits include 4-channel recorders along with 4 cameras respectively for full-color video and images around the clock.

FEATURES

- Includes 4 MP/4K ColorVu/IR cameras with 2.8 mm lens
- Record up to 4K/8 MP resolution on IP cameras with 4K UHD output
- H.265+ video compression reduces data and storage usage by up to 80 percent
- IR KIT Cameras include latest EXIR 2.0 illumination up to 100 ft. (30 m)
- ColorVu Kit Cameras include white supplemental light up to 100 ft. (30 m)

									ColorVu	ColorVu	ColorVu
MODEL	HX-EKIK41T44	HX-EKIK82T46	HX-EKIK164T4	HX-EKIK41D44	HX-EKIK82D46	HX-EKIK164D4	HX-EKIK82T86	HX-EKI41B44W	HX-K41T44C	HX-K82T46C	HX-K164T412C
FORM FACTOR	Turret	Turret	Turret	Dome	Dome	Dome	Turret	Bullet	Turret	Turret	Turret
NUMBER OF KIT CAMERAS	4	6	12	4	6	12	6	4	4	6	12
CAMERA SPECIFICATION	HX-ECIT24F2	HX-ECIT24F2	HX-ECIT24F2	ECI-D24F2	ECI-D24F2	ECI-D24F2	HX-ECIT28F2	HX-BL1041IDW	HX-TR1347G2F	DS-2CD1347G0-LUF	HX-TR1347G2F
MEGAPIXELS	4 MP	4 MP	4 MP	4 MP	4 MP	4 MP	8MP	4MP	4MP	4MP	4MP
MIN. ILLUMINATION (LUX)	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	"Color: 0.018 lux @ f/1.6 B/W: 0 with IR"	Color: 0.018 lux @ f/1.6 B/W: 0 with IR	Color: 0.018 lux @ f/1.6 B/W: 0 with IR	"Color: 0.01 lux @ f/2.0 B/W: 0 with IR"	Color: 0.018 lux @ f/1.6 B/W: 0 with IR	Color: 0.001 lux @ f/1.0	Color: 0.001 lux @ f/1.0	Color: 0.001 lux @ f/1.0
LENS	Fixed, 2.8 mm @ ƒ/2.0	Fixed, 2.8 mm @ ƒ/2.0	Fixed, 2.8 mm @ ƒ/2.0	Fixed, 2.8 mm @ ƒ/1.6	Fixed, 2.8 mm @ ƒ/1.6	Fixed, 2.8 mm @ ƒ/1.6	Fixed, 2.8 mm @ ƒ/2.0	Fixed, 2.8 mm @ ƒ/1.6	Fixed, 2.8 mm @ ƒ/1.0	Fixed, 2.8 mm @ ƒ/1.0	Fixed, 2.8 mm @ ƒ/1.0
DAY/NIGHT	IR cut filter	IR cut filter	IR cut filter	IR cut filter	IR cut filter	IR cut filter	IR cut filter	IR cut filter	Yes	Yes	Yes
BLC/WDR	Yes/Digital	Yes/Digital	Yes/Digital	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital
IR RANGE MAX (METERS)	30	30	30	30	30	30	30	30	30 (White Light)	30 (White Light)	30 (White Light)
VIDEO COMPRESSION	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
MAX. IMAGE RESOLUTION (PIXELS)	2560×1440, 20	2560×1440, 20	2560×1440, 20	2560×1440, 20	2560×1440, 20	2560×1440, 20	3840 × 2160, 15	2560×1440, 20	2560×1440, 20	2560×1440, 20	2560×1440, 20
MOTION DETECTION	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AUDIO INPUT/OUTPUT	-	-	-	-	-	-	-	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
ALARM INPUT/OUTPUT	-	-	-	-	-	-	-	-	-	-	-
RATINGS	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-30 to 50 °C (-22 to 122 °F)	-30 to 50 °C (-22 to 122 °F)	-30 to 50 °C (-22 to 122 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	IP67, UL/cUL Listed	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)	-30 to 60 °C (-22 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, 6 W	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 6.5 W
BRACKET	WML, PC130T, CM, PM, CB130T, CBM, ABM, CPM	WML, PC130T, CM, PM, CB130T, CBM, ABM, CPM	WML, PC130T, CM, PM, CB130T, CBM, ABM, CPM	CPM, CPME, WMS, WML, SRS, PC110, CB110, AB110, WM110	CPM, CPME, WMS, WML, SRS, PC110, CB110, AB110, WM110	CPM, CPME, WMS, WML, SRS, PC110, CB110, AB110, WM110	WML, PC130T, CM, PM, CB130T, CBM, ABM, CPM	CBXS	WMS, PC110T, CM, PM, CBS, ABS	WMS, PC110T, CM, PM, CBS, ABS	WMS, PC110T, CM, PM, CBS, ABS
NVR SPECIFICATION	ERI-K104-P4	ERI-K108-P8	ERI-K216-P16	ERI-K104-P4	ERI-K108-P8	ERI-K216-P16	ERI-K108-P8	DS-7104NI-K1/W/M	ERI-K104-P4	ERI-K108-P8	ERI-K216-P16
MAX. RECORDING RESOLUTION	8 MP	8 MP	8 MP	8 MP	8 MP	8 MP	8 MP	4 MP	8 MP	8 MP	8 MP
VIDEO COMPRESSION	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264
HDMI/VGA OUTPUT	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output
IP VIDEO INPUT	4-ch IPC with integrated 4-port 802.3af/at PoE switch	8-ch IPC with integrated 4-port 802.3af/at PoE switch	16-ch IPC with integrated 4-port 802.3af/at PoE switch	4-ch IPC with integrated 4-port 802.3af/at PoE switch	8-ch IPC with integrated 4-port 802.3af/at PoE switch	16-ch IPC with integrated 4-port 802.3af/at PoE switch	8-ch IPC with integrated 4-port 802.3af/at PoE switch	4-ch 802.11b/g/n Wireless	4-ch IPC with integrated 4-port 802.3af/at PoE switch	8-ch IPC with integrated 4-port 802.3af/at PoE switch	16-ch IPC with integrated 4-port 802.3af/at PoE switch
AUDIO INPUT/OUTPUT	---	---	---	---	---	---	---	---	---	---	---
ALARM INPUT/OUTPUT	---	---	---	---	---	---	---	---	---	---	---
INTERNAL HDD	1 TB	2 TB	4 TB	1 TB	2 TB	4 TB	2 TB	1 TB	1 TB	2 TB	4 TB
MAX. INTERNAL STORAGE	6 TB	6 TB	6 TB	6 TB	6 TB	6 TB	6 TB	6 TB	6 TB	6 TB	6 TB
MAX INCOMING BANDWIDTH (MBPS)	40	80	160	40	80	160	80	50	40	80	160
MAXIMUM OUTGOING BANDWIDTH (MBPS)	80	80	80	80	80	80	80	40	80	80	80
MAX. REMOTE CONNECTIONS	128	128	128	128	128	128	128	16	128	128	128
RACK UNITS	1	1	1	1	1	1	1	1	1	1	1
RATINGS	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
POE BUDGET	50 W	80 W	150 W	50 W	80 W	150 W	80 W	---	50 W	80 W	150 W
POWER REQUIREMENTS	48VDC, ≤10W without HDD	48VDC, ≤10W without HDD	48VDC, ≤15W without HDD	48VDC, ≤10W without HDD	48VDC, ≤10W without HDD	48VDC, ≤15W without HDD	48VDC, ≤10W without HDD	12VDC, ≤12W without HDD	48VDC, ≤10W without HDD	48VDC, ≤10W without HDD	48VDC, ≤15W without HDD

TurboHD™ Analog Cameras

Enjoy high definition video using existing cabling with Hikvision's TurboHD (HD over Coax) HD-TVI technology. These products provide HD video up to 4K over coaxial cable at distances up to 2,600 feet (792 meters). They are specially designed for analog users who want a high definition surveillance system without the cost and time of upgrading to IP or replacing existing cabling structures. Delivering impressive image quality, this camera line offers incredibly durable, vandal-proof products with features such as industry-leading H.265+ video compression, OSD menu via Up-the-Coax (UTC), Power over Coax (PoC), EXIR 2.0 illumination, motorized zoom and focus, and 120dB WDR. Several models are available in optional black finish.
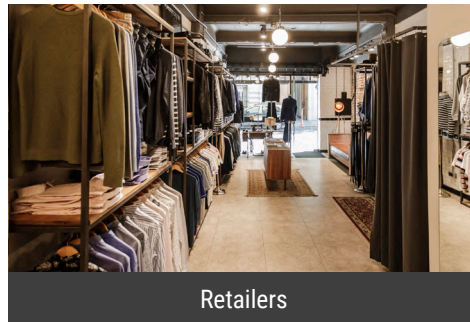
FEATURES

- Choice of budget-level Value series (U1T, H0T, D3T), Performance series (DF3T and HFT ColorVu), or fully featured Pro series (U7T, H8T, D9T) in dome, turret and bullet form factors
- Varied resolutions, including 720p, 1080p (2 MP), 5 MP and 8 MP (4K)
- Unique features like Power over Coax (PoC) models reduce installation costs dramatically
- Multi-standard support for TVI, AHD, CVI and CVBS analog signals on several camera models
- ColorVu 24/7 color imaging in complete darkness

APPLICATIONS

Residential

Retailers

Supermarkets

COLORVU TURBOHD CAMERAS

	ColorVu, 24/7 Color, White Light	ColorVu, 24/7 Color, White Light	ColorVu, 24/7 Color, White Light	ColorVu, 24/7 Color, White Light	ColorVu, 24/7 Color, White Light	ColorVu, 24/7 Color, White Light	ColorVu, 24/7 Color, White Light	ColorVu, 24/7 Color, White Light	ColorVu, 24/7 Color, White Light
MODEL	HX-12DFT3F2 HX-12DFT3F3	HX-72DF3TF2 HX-72DF3TF3	HX-BLKF0TFS2 HX-BLKF0TFS3	HX-TRKF0TMF2 HX-TRKF0TMF3	HX-BL12HFTF3 HX-BL12HFTF2	HX-TR72HFTF3 HX-TR72HFTF2	HX-BL19DF8T	HX-DM59DF8T	HX-TR79DF8T
FORM FACTOR	Outdoor Bullet Fixed	Outdoor Turret Fixed	Outdoor Bullet Fixed	Outdoor Turret Fixed	Outdoor Bullet Fixed	Outdoor Turret Fixed	Outdoor Bullet Varifocal	Outdoor Dome Varifocal	Outdoor Turret Varifocal
MEGAPIXELS	2 MP	2 MP	5 MP (16:9)	5 MP (16:9)	5 MP	5 MP	2 MP	2 MP	2 MP
VIDEO OUT	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI	TVI	TVI
HD-TVI RESOLUTION	1920×1080	1920×1080	2960 x 1665	2960 x 1665	2560 × 1944	2560 × 1944	1920×1080	1920×1080	1920×1080
CVBS RESOLUTION	960H	960H	960H	960H	960H	960H	-	-	-
SENSOR SIZE	2 MP CMOS	2 MP CMOS	5 MP CMOS	5 MP CMOS	5 MP CMOS	5 MP CMOS	2 MP CMOS	2 MP CMOS	2 MP CMOS
MIN. ILLUMINATION (LUX)	0.0005 @ f/1.0 B/W: 0 with IR	0.0005 @ f/1.0 B/W: 0 with IR	0.001 @ f/1.0 B/W: 0 with IR	0.001 @ f/1.0 B/W: 0 with IR	0.0005 @ f/1.0 B/W: 0 with IR	0.0005 @ f/1.0 B/W: 0 with IR	0.0003 @ f/1.0, B/W: 0 with IR	0.0003 @ f/1.0, B/W: 0 with IR	0.0003 @ f/1.0, B/W: 0 with IR
LENS (FOV H X V)	2.8mm: H 98°, V 52° 3.6mm: H 77°, V 42°	2.8mm: H 98°, V 52° 3.6mm: H 77°, V 42°	2.8mm: H 102°, V 56° 3.6mm: H 80°, V 45°	2.8mm: H 102°, V 56° 3.6mm: H 80°, V 45°	2.8mm: H 99.7°, V 72° 3.6mm: H 80.1°	2.8mm: H 99.7°, V 72° 3.6mm: H 80.1°	2.8-12mm	2.8-12mm	2.8-12mm
DAY/NIGHT, BLC, WDR	24/7 Color/Yes/≥130 dB	24/7 Color/Yes/≥130 dB	24/7 Color/Yes/Digital WDR	24/7 Color/Yes/Digital WDR	24/7 Color/Yes/≥130 dB	24/7 Color/Yes/≥130 dB	24/7 Color, Yes, 130 dB	24/7 Color, Yes, 130 dB	24/7 Color, Yes, 130 dB
IR RANGE MAX (METERS)	White Light Distance Up to 40 m	White Light Distance Up to 40 m	up to 20 m white light distance	up to 20 m white light distance	up to 40 m white light distance	up to 20 m white light distance	up to 40 m white light distance	up to 40 m white light distance	up to 40 m white light distance
OSD MENU VIA UP-THE-COAX (UTC)	Yes	Yes	Yes, built-in mic	Yes, built-in mic	Yes	Yes	Yes	Yes	Yes
RATINGS	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP68, UL/cUL Listed	IP68, IK 10, UL/cUL Listed	IP68, IK 10, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-40 to 50 °C (-40 to 122 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC ± 25% ; 5.7W	12 VDC ±25%, 5.7W	12 VDC ±25%, 2.5W	12 VDC ±25%, 2.5W	12 VDC ±25%, 4.9W	12 VDC ±25%, 3.5W	12 VDC/24 VAC ± 25% ; 12.2W	12 VDC/24 VAC ± 25% ; 12.2W	12 VDC/24 VAC ± 25% ; 12.2W
BRACKETS	CBXS	PC110T, CBS, ABS, PM, CM	CBXS	PC110T, CBS, ABS, PM, CM	CBXS	PC110T, CBS, ABS, PM, CM	CBS	WML, PC155, CPM	PC140, PC140PT, WML, CM, PM, CPM

TURBOHD ANALOG CAMERAS

	Indoor
MODEL	HX-BX12D8TAM
FORM FACTOR	Box (lens not included)
MEGAPIXELS	2 MP
VIDEO OUT	HD-TVI/CVBS (selectable)
HD-TVI RESOLUTION	1920×1080
CVBS RESOLUTION	960H
SENSOR SIZE	2 MP CMOS
MIN. ILLUMINATION (LUX)	Color: 0.005 @ ƒ/1.2 B/W: 0 with IR
LENS	C/CS Mount
DAY/NIGHT, BLC, WDR	Auto/Color/BW (Black and White)/ Yes/120 dB
IR RANGE MAX (METERS)	-
OSD MENU VIA UP-THE-COAX (UTC)	Yes
RATINGS	UL/cUL Listed
OPERATING TEMPERATURE RANGE	-30 to 60 °C (-22 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 V DC ±25%, 24 V AC ±25%, 3W
BRACKETS	PP1, PP2, PM, CM, CHB, CHB-HBW, CHB-HB, WBS, WBL

	Outdoor EXIR	Outdoor EXIR, Power over Coax (PoC)	Outdoor EXIR	Outdoor EXIR
MODEL	HX-BL1D3I52F HX-BL1D3I53F	HX-BL1D3I52F HX-BL1D3I53F	HX-BL17H0T32 HX-BL17H0T33	HX-BLU7IT3F2
FORM FACTOR	Outdoor Bullet Fixed	Outdoor Bullet Fixed	Outdoor Bullet Fixed	Outdoor Bullet Fixed
MEGAPIXELS	2 MP	2 MP	5 MP	8 MP
VIDEO OUT	TVI/AHD/CVI/CVBS	HD-TVI/CVBS (Dual)	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS
HD-TVI RESOLUTION	1920×1080	1920×1080	2560×1944	3840×2160
CVBS RESOLUTION	960H	720*576	960H	960H
SENSOR SIZE	2 MP CMOS	2 MP CMOS	5 MP CMOS	8 MP CMOS
MIN. ILLUMINATION (LUX)	Color: 0.005 @ ƒ/1.2 B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2 B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR
LENS (FOV H X V)	2.8 mm: H 106°, 3.6 mm, H 82°	2.8 mm, H 103.5°, 3.6 mm, H 82.6°	2.8 mm, H 85.5°, 3.6 mm, H 80.1°	2.8 mm: H 102.2°
DAY/NIGHT, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True/Yes/Digital	True/Yes/130 dB
IR RANGE MAX (METERS)	50	IT3E: 40	40	60
OSD MENU VIA UP-THE-COAX (UTC)	Yes	Yes	Yes	Yes
RATINGS	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC ±25%, 5.6W	12 VDC ±30%/PoC.at, IT3E: 4W	12 VDC ±25% 4.3W	12 VDC ±25%, 4.2W
BRACKETS	CBXS	CBXS	CBXS	CBXS

TURBOHD ANALOG CAMERAS

	Outdoor EXIR, Power over Coax (PoC)	Outdoor EXIR, Power over Coax (PoC)	Outdoor EXIR	Outdoor EXIR	Outdoor EXIR	Outdoor EXIR
MODEL	HX-BL1D9A3ZE	HX-BL16D5T5Z	HX-BL1D3A3ZF	HX-BL19H03TZ	HX-BL19H8TA3	HX-BLU7AI3ZF
FORM FACTOR	Outdoor Bullet Varifocal	Outdoor Bullet Varifocal	Outdoor Bullet Varifocal	Outdoor Bullet Varifocal	Outdoor Bullet Varifocal	Outdoor Bullet Varifocal
MEGAPIXELS	2 MP	2 MP	2 MP	5 MP	5 MP	8 MP
VIDEO OUT	HD-TVI/CVBS (Dual)	HD-TVI/CVBS (Dual)	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS
HD-TVI RESOLUTION	1920×1080	1920×1080	1920×1080	2560×1944	2560×1944	3840×2160
CVBS RESOLUTION	720*576	600TVL	700TVL	700TVL	700TVL	960H
SENSOR SIZE	2 MP CMOS	2 MP CMOS	2 MP CMOS	5 MP CMOS	5 MP CMOS	8 MP CMOS
MIN. ILLUMINATION (LUX)	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2 B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR
LENS (FOV H X V)	2.8 mm to 12 mm motorized vari-focal lens, H 98° to 32.1°	5 to 50 mm motorized vari-focal lens, H 59.8°-6.2°	2.7 mm to 13.5 mm motorized vari-focal lens, H 102° to 31°	2.7 mm to 13.5 mm motorized vari-focal lens, H 95° to 26°	2.7 mm to 13.5 mm motorized vari-focal lens, H 92.3° to 29.3°	2.7 mm to 13.5 mm motorized vari-focal lens, H 108.1° to 45.6°
DAY/NIGHT, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True/Yes/Digital	True/Yes/130 dB	True/Yes/130 dB
IR RANGE MAX (METERS)	40	120	70	40	80	80
OSD MENU VIA UP-THE-COAX (UTC)	Yes	Yes	Yes	Yes	Yes	Yes
RATINGS	IP67, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)
POWER REQUIREMENTS (MAX.)	24 V AC/12 V DC ±30%/PoC.at,7.5W	24 VAC, 20 W"	24 VAC ±15%, 12 VDC ±20%, 9.7W	12 VDC±15%, 24 VAC±15%, 8.8W	9.6 VDC to 14.4 VDC; 19.2 VAC to 28.8 VAC, 10.5W	12 VDC ±25%, 24 VDC ±25%, 10.8W"
BRACKETS	CBS, PM, CM	-	CBS, PM, CM	CBS, PM, CM	CBS, PM, CM	CBS, PM, CM

TURBOHD ANALOG CAMERAS

	Outdoor EXIR	Outdoor EXIR	Outdoor EXIR	Outdoor EXIR, Power over Coax (PoC)	Outdoor EXIR	Outdoor EXIR	Outdoor EXIR	Outdoor EXIR
MODEL	HX-OD5D3V2F HX-OD5D3V3F	HX-OD57H0T2 HX-OD57H0T3 HX-OD57H0TB2	HX-ODU7VPI2	HX-OD5D9AZE	HX-OD5D3AVZF HX-OD5D3AVZB	HX-5AH0TZ	HX-OD59H8TAV	HX-ODU7ATZF
FORM FACTOR	Outdoor Dome	Outdoor Dome	Outdoor Dome	Outdoor VF Dome	Outdoor VF Dome	Outdoor VF Dome	Outdoor VF Dome	Outdoor VF Dome
MEGAPIXELS	2 MP	5 MP	8 MP	2 MP	2 MP	5 MP	5 MP	8 MP
VIDEO OUT	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI/CVBS (Dual)	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI
HD-TVI RESOLUTION	1920×1080	2560×1944	3840×2160	1920×1080	1920×1080	2560×1944	2560×1944	3840×2160
CVBS RESOLUTION	700TVL	960H	960H	720*576	700TVL	700TVL	700TVL	960H
SENSOR SIZEE	2 MP CMOS	5 MP CMOS	8 MP CMOS	2 MP CMOS	2 MP CMOS	5 MP CMOS	5 MP CMOS	8 MP CMOS
MIN. ILLUMINATION (LUX)	Color: 0.005 @ ƒ/1.2 B/W: 0 with IR	Color: 0.01 @ ƒ/1.2 B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2 B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR	"Color: 0.003 @ ƒ/1.2, B/W: 0 with IR"
LENS (FOV H X V)	2.8 mm, H 106°, 3.6 mm, H 82°	2.8 mm, H 85.5°, 3.6 mm, H 80.1°	2.8 mm, H 102.2°	2.8 mm to 12 mm motorized vari-focal lens, H 98° to 32.1°	2.7 mm to 13.5 mm motorized vari-focal lens, H 102° to 31°	2.7 mm to 13.5 mm motorized vari-focal lens, H 95° to 26°	2.7 mm to 13.5 mm motorized vari-focal lens, H 92.3° to 29.3°	2.8 mm to 13.5 mm motorized vari-focal lens, H 108.1° to 45.6°
DAY/NIGHT, BLC, WDR	True, Yes, 120 dB	TRUE/Yes/Digital	True, Yes, 130 dB	True, Yes, 120 dB	True, Yes, 120 dB	TRUE/Yes/Digital	TRUE/Yes/130 dB	True, Yes, 130 dB
IR RANGE MAX (METERS)	30	Up to 20 m	40	40	70	40	60	60
OSD MENU VIA UP-THE-COAX (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RATINGS	IP67,IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67,IK10 UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67,IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67,IK10 UL/cUL Listed
OPERATING TEMPERATURE RANGE	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC ±25%, 4.6W	12 VDC ±25%, 4.3W	12 VDC ±25%, 4.8W	24 VAC/12 VDC ±30%/PoC.at,6W	24 VAC ±15%, 12 VDC ±20%, 9.7W	12 VDC±15%, 24 VAC±15%	9.6 VDC to 14.4 VDC; 19.2 VAC to 28.8 VAC, 8W	"12 VDC ±25%, 24 VDC ±25%, 8.2W"
BRACKETS	AB110(B), PC110(B)+WMSB, PM,CM, CB110(B), WM110(B), SRSM, SRS(B), PC110+CPM	AB110B, PC110B+WMSB, PM, CM, CB110B, WM110B	AB110,PC110+WMS, PM, CM, CB110, WM110, SRSM, SRS, PC110+CPM	WML+PC140,CPM+PC140,RCM-2,ABL,PM,CM.SRSL,SRS	WML(B)+PC140(B),CPM+PC140,PM,CM,CB140-DM45,SRSL	WML+PC140,CPM+PC140,RCM-2,ABL,PM,CM.SRSL,SRS	WML+PC140,CPM+PC140,RCM-2,ABL,PM,CM.SRSL,SRS	WML+PC140,CPM+PC140,RCM-2,ABL,PM,CM.SRSL,SRS

TURBOHD ANALOG CAMERAS

	Outdoor EXIR, Power over Coax (PoC)	Outdoor EXIR	Outdoor EXIR	Outdoor EXIR	Outdoor EXIR
MODEL	HX-TR5D93E2 HX-TR5D93E3	HX-TR7D8M2F HX-TR7D8M3F HX-TR7D8M2FB	HX-TR71H0PO2	HX-TR76H0TM2 HX-TR76H0TM3	HX-TR78H0T12 HX-TR78H0T13
FORM FACTOR	Outdoor Turret Fixed	Outdoor Turret Fixed	Outdoor Turret Fixed	Outdoor Turret Fixed	Outdoor Turret Fixed
MEGAPIXELS	2 MP	2 MP	5 MP	5 MP	5 MP
VIDEO OUT	HD-TVI/CVBS (Dual)	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS
HD-TVI RESOLUTION	1920×1080	1920×1080	2560×1944	2560×1944	2560×1944
CVBS RESOLUTION	720*576	700TVL	-	960H	960H
SENSOR SIZE	2 MP CMOS	2 MP CMOS	5 MP CMOS	5 MP CMOS	5 MP CMOS
MIN. ILLUMINATION (LUX)	Color: 0.003 @ f/1.2, B/W: 0 with IR	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR
LENS (FOV H X V)	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm
DAY/NIGHT, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, DWDR	True, Yes, DWDR	True, Yes, DWDR
IR RANGE MAX (METERS)	40	30	20	20	40
OSD MENU VIA UP-THE-COAX (UTC)	Yes	Yes	Yes	Yes	Yes
RATINGS	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC ±30%/PoC.af,4W	12 VDC ±25%, 4.6W	12 VDC ±25%, 4W	12 VDC ±25%, 4.3W	12 VDC ±25%, 4.3W
BRACKETS	PC110t/CBS/ABS	PC110T/CBXS	WMS+PC110T,PM,CM,CBS,ABS	PC110T, PM, CBXS	PC110T, CBS, ABS

TurboHD™ ANALOG CAMERAS

TURBOHD ANALOG CAMERAS

	Outdoor EXIR	Outdoor EXIR	Outdoor EXIR, Power over Coax (PoC)	Outdoor EXIR	Outdoor EXIR	Outdoor EXIR
MODEL	HX-TRU7ITMF2 HX-TRU7ITMF3	HX-TRU7IT3F3	HX-ID5D9AZE	HX-TR7D33ZF	HX-TR79H8TI3	HX-TRU7TATZF
FORM FACTOR	Outdoor Turret Fixed	Outdoor Turret Fixed	Outdoor Turret Varifocal	Outdoor Turret Varifocal	Outdoor Turret Varifocal	Outdoor Turret Varifocal
MEGAPIXELS	8 MP	8 MP	2 MP	2 MP	5 MP	8 MP
VIDEO OUT	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI
HD-TVI RESOLUTION	3840×2160	3840×2160	1920×1080	1920×1080	2560×1944	3840×2160
CVBS RESOLUTION	960H	960H	700TVL	700TVL	-	960H
SENSOR SIZE	8 MP CMOS	8 MP CMOS	2 MP CMOS	2 MP CMOS	5 MP CMOS	8 MP CMOS
MIN. ILLUMINATION (LUX)	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2 B/W: 0 with IR	Color: 0.005 @ ƒ/1.2 B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, B/W: 0 with IR
LENS (FOV H X V)	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm	2.8 mm to 12 mm motorized vari-focal lens	2.7 mm to 13.5 mm motorized vari-focal lens	2.7 mm to 13.5 mm motorized varifocal lens	2.7 mm to 13.5 mm motorized vari-focal lens
DAY/NIGHT, BLC, WDR	True, Yes, 130 dB	True, Yes, 130 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 130 dB	True, Yes, 130 dB
IR RANGE MAX (METERS)	60	60	40	70	60	80
OSD MENU VIA UP-THE-COAX (UTC)	Yes	Yes	Yes	Yes	Yes	Yes
RATINGS	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)	-40 to 60 °C (-40 to 140 °F)
POWER REQUIREMENTS (MAX.)	12 VDC ±25%, 4.2W	12 VDC ±25%, 4.2W	24 VAC/12 VDC ±30%/PoC.at, 6W	12 VDC ±25%, 7.7W	12 VDC ± 20%, 24 VAC ± 20%, 10.5W	12 VDC ± 20%, 24 VAC ± 20%, 11W
BRACKETS	PC110T/CBS/ABS	PC110T/CBS/ABS	PC130T/CBM/ABM	PC130T/CBM/ABM	CBM	PC130T/CBM/ABM

TURBOHD ANALOG PTZ CAMERAS

	1080p Outdoor	1080p Outdoor	1080p indoor	1080p Outdoor,IR
MODEL	HX-AID4225TD	HX-AOD5232T	HX-AID5232T	HX-AOD7232T
VIDEO OUT	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable
SESNOR SIZE (PROGRESSIVE SCAN CMOS)	1/2.8" progressive scan CMOS	1/2.8"	1/2.8"	1/2.8"
MIN. ILLUMINATION (LUX)	"Color: 0.005 @ ƒ/1.6, AGC on B/W: 0.001 @ ƒ/1.6, AGC on"	Color: 0.005 @ ƒ/1.6 B/W: 0 with IR	Color: 0.005 @ ƒ/1.6 B/W: 0 with IR	Color: 0.005 @ ƒ/1.6 B/W: 0 with IR
HD-TVI RESOLUTION	1920×1080	1920×1080	1920×1080	1920×1080
CVBS RESOLUTION	960H	960H	960H	960H
LENS	4.8 mm to 120 mm motorized vari-focal lens	4.8 mm to 153 mm motorized vari-focal lens	4.8 mm to 153 mm motorized vari-focal lens	4.8 mm to 153 mm motorized vari-focal lens
HORIZONTAL ANGLE OF VIEW	57.6° to 2.5° (wide to tele)	54.2° to 1.97° (wide-tele)	55.6° to 2.04° (wide to tele)	54.2° to 1.97° (wide-tele)
OPTICAL ZOOM	25x	32x	32x	32x
PAN & TILT SPEED (MANUAL)	"Pan manual speed: 0.1° to 100°/s Tilt manual speed: 0.1° to 80°/s"	Pan manual speed: 0.1° to 250°/s Tilt manual speed: 0.1° to 150°/s	Pan manual speed: 0.1° to 250°/s Tilt manual speed: 0.1° to 150°/s	Pan manual speed: 0.1° to 160°/s Tilt manual speed: 0.1° to 120°/s
PAN & TILT SPEED (PRESET)	"Pan preset speed: 100°/s Tilt preset speed: 80°/s"	Pan preset speed: 250°/s Tilt preset speed: 150°/s	Pan preset speed: 250°/s Tilt preset speed: 150°/s	Pan preset speed: 160°/s Tilt preset speed: 120°/s
DAY/NIGHT, BLC, WDR	" TRUE, Yes, 120dB"	TRUE, Yes, 120dB	TRUE, Yes, 120dB	TRUE, Yes, 120dB
IR RANGE MAX (METERS)		-		150
RATINGS	UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-10 to 50 °C (14 to 122 °F)	-30 to 65 °C (-22 to 149 °F)	-10 to 50 °C (14 to 122 °F)	-30 to 65 °C (-22 to 149 °F)
POWER REQUIREMENTS (MAX.)	"12 VDC Max. 14 W"	24 VAC Max. 24 W	24 VAC Max. 18 W	24 VAC Max. 40 W (IR: 14 W)
BRACKETS	Included	WMP-L JBPW-L CPM-S CPM-L RPM	Included	WMP-L JBPW-L CPM-S CPM-L RPM

TurboHD™ ANALOG CAMERAS

TURBOHD ANALOG CAMERA VALUE EXPRESS SERIES

	TVI Analog Outdoor	TVI Analog Outdoor	TVI Analog Outdoor EXIR	TVI Analog Outdoor EXIR	TVI Analog Outdoor EXIR
MODEL	HX-ECTB12F2	HX-ECTT12F2	HX-ECTB32V2	HX-ECTD32V2	HX-ECTT32V2
FORM FACTOR	Bullet	Turret	Bullet	Dome	Turret
MEGAPIXELS	2 MP		2 MP		
VIDEO OUT	4 in 1 video output (switchable TVI/AHD/CVI/CVBS); 1 HD analog output		4 in 1 video output (switchable TVI/AHD/CVI/CVBS); 1 HD analog output		
IMAGE SENSOR	2 MP CMOS		2 MP CMOS		
HD-TVI RESOLUTION	2 MP		2 MP		
CVBS RESOLUTION	960H		960H		
MIN. ILLUMINATION (LUX)	Color: 0.01 @ ƒ/1.2 B/W: 0 with IR		Color: 0.01 @ ƒ/1.2 B/W: 0 with IR		
LENS (FOV H X V)	2.8 mm, H 103°, 3.6 mm H 80.7°		2.8 mm to 12 mm varifocal lens, H 111.5° to 33.4°		
PAN/TILT/ROTATION	0° to 360°/0 to 180/ 0° to 360°	0° to 360° / 0° to 75° / 0° to 360°	0° to 360°/0° to 90°/ 0° to 360°	0° to 355°/0° to 75°/ 0° to 355°	0° to 360° / 0° to 75° / 0° to 360°
DAY/NIGHT/BLC/WDR	True/Yes/Digital		ECT-B32V2/ECT-D32V2:True/Yes/Digital ECT-T32V2:True/Yes/120dB		
IR RANGE MAX (METERS)	20		40		
VERTICAL SYNCHRONIZATION	Internal		Internal		
OSD MENU VIA UP-THE-COAX (UTC)	Yes		Yes	Yes	Yes
RATINGS	IP66, UL/cUL Listed		IP66, UL/cUL Listed ECT-D32V2,ECT-T32V2: IP66, IK10 UL/cUL Listed		
OPERATING TEMPERATURE RANGE	-40 to 60 °C (-40 to 140 °F)		-40 to 60 °C (-40 to 140 °F)		
POWER REQUIREMENTS (MAX.)	12 VDC Max. 4 W		12 VDC Max. 5 W	12 VDC Max. 4.2 W	12 VDC Max. 4.8 W
BRACKETS	CBXS	CBXS, PC110T	CBS	SRSL	PC130T, CBT-1, CBM, ABM
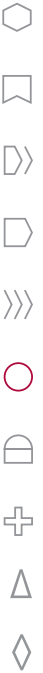
TurboHD™ Digital Video Recorders

TurboHD Plug and Play DVRs offer several models scalable for small to mid-sized businesses with 4- to 32-channels. All TurboHD DVRs are Tribrid—a true revolution in the professional security market—supporting traditional analog (CVBS), HD-TVI, and IP cameras. Thanks to autosensing technology, installation is extremely easy.

FEATURES

- High performance, fully loaded project Pro DVRs have extra capacity and RAID for larger project applications, up to 12 MP IPC connectivity and support Point-of-Sale (POS) interface
- Tribrid DVRs include H.265+ video compression, reducing storage requirements
- On-Screen-Display (OSD) menu available up-the-coax (UTC) to manage camera settings
- Value Series DVRs are our most popular DVRs and offer budget-priced enhanced performance models, up to 8 MP IPC connectivity and Power over Coax (PoC) models
- Both Value and Pro Series DVRs support deep learning-based motion detection 2.0 on all analog channels

APPLICATIONS

Residential
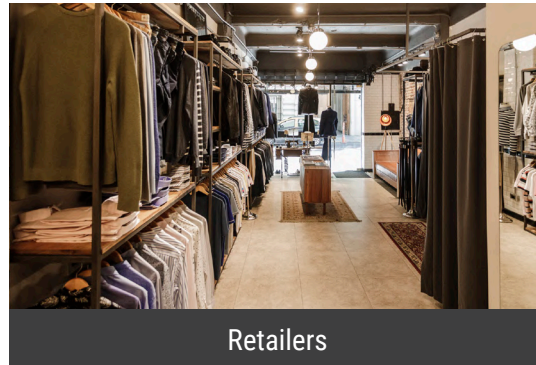
Retailers

Supermarkets

TURBOHD 4.0 TRIBRID DVRS

	DIGITAL VIDEO RECORDER PRO SERIES	DIGITAL VIDEO RECORDER PERFORMANCE	DIGITAL VIDEO RECORDER PERFORMANCE	DIGITAL VIDEO RECORDER VALUE SERIES	DIGITAL VIDEO RECORDER VALUE SERIES (POC)	DIGITAL VIDEO RECORDER VALUE SERIES	DIGITAL VIDEO RECORDER VALUE SERIES
MODEL	HX-7204HQM HX-7208HQM HX-7216HQM	HX-T7204HUM HX-T7208HUM HX-T7216HUM	HX-7204UMP HX-7208UMP HX-7216UMP	HX-7204HTM HX-7208HTM	HX-T7316QM HX-T7332QM	HX-7316HIM4S HX-7332HIM4S	HX-T9016UM HX-T9032UM
MAX. RECORDING RESOLUTION	2 MP	5MP	5 MP	8 MP	2 MP	5 MP	5 MP
Video Compression	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264
HDMI/VGA Output	1-ch, 1920 × 1080/60 Hz, simultaneous output	4-ch: 1-ch, 1920 × 1080/60Hz 8-ch/16-ch: 1-ch, 4K (3840 × 2160)/30Hz simultaneous output	4-ch: 1-ch, 1920 × 1080/60Hz 8-ch/16-ch: 1-ch, 4K (3840 × 2160)/30Hz simultaneous output	4K (3840×2160)/1920×1080 independent	4K (3840×2160)/1920×1080 simultaneous output	4K (3840×2160)/1920×1080 HDMI1/VGA simultaneous output, HDMI2/VGA independent output	4K (3840×2160)/1920×1080 HDMI1/VGA simultaneous output, HDMI2/VGA independent output
Spot Monitor Output (BNC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Analog Input	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω	4-Ch/8-Ch 1.0 Vp-p, 75 Ω	16-Ch/32-Ch 1.0 Vp-p, 75 Ω	16-Ch/32-Ch 1.0 Vp-p, 75 Ω	16-Ch/32-Ch 1.0 Vp-p, 75 Ω
Video Standard	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP
Encoding Capability	4 MP@15 fps/1080p@30 fps	8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/1080p@30 fps	8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/1080p@30 fps	8 MP@15fps, 5 MP@20fps, 4 MP/1080p@30fps	4 MP@15 fps/1080p@30 fps	8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/1080p@30 fps	8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/1080p@30 fps
Audio Input/Output	Yes, all channels	Yes, all channels	Yes, all channels	Yes, all channels	16/2	16/2	16/2
Alarm Input/Output	4-ch: 4/1 8-ch: 8/4 16-ch: 16/4	4-ch: 4/1 8-ch: 8/4 16-ch: 16/4	4-ch: 4/1 8-ch: 8/4 16-ch: 16/4	"4-ch: 4/1 8-ch: 8/4"	16/4	16/4	16/4
RAID Support	-	-	-	-	-	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Internal SATA	4-ch: 1 (up to 10 TB each) 8-ch/16-ch: 2 (up to 10 TB each)	4-ch: 1 (up to 10 TB each) 8-ch/16-ch: 2 (up to 10 TB each)	4-ch: 1 (up to 10 TB each) 8-ch/16-ch: 2 (up to 10 TB each)	4-ch: 1 (up to 10 TB each) 8-ch: 2 (up to 10 TB each)	4 (up to 10 TB each)	4 (up to 10 TB each)	8 (up to 10 TB each)
Max Internal Storage	4-ch: 10 TB 8-ch/16-ch: 20 TB	4-ch: 10 TB 8-ch/16-ch: 20 TB	4-ch: 10 TB 8-ch/16-ch: 20 TB	4-ch: 10 TB 8-ch: 20 TB	40 TB	40 TB	80 TB
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Hikvision IP Camera Support	4-ch: 1-ch up to 6 MP (up to 5-ch) 8-ch: 2-ch up to 6 MP (up to 10-ch) 16-ch: 2-ch up to 6 MP (up to 18-ch)	4-ch: 2-ch up to 8 MP (up to 6-ch) 8-ch: 4-ch up to 8 MP (up to 12-ch) 16-ch: 8-ch up to 8 MP (up to 24-ch)	4-ch: 2-ch up to 8 MP (up to 6-ch) 8-ch: 4-ch up to 8 MP (up to 12-ch) 16-ch: 8-ch up to 8 MP (up to 24-ch)	4-ch: 4-ch up to 8 MP (up to 8-ch) 8-ch: 8-ch up to 8 MP (up to 16-ch)	16-ch: 4-ch up to 6 MP (up to 20-ch) 32-ch: 16-ch up to 6 MP (up to 48-ch)	16-ch: 18-ch up to 12 MP (up to 34-ch) 32-ch: 32-ch up to 12 MP (up to 64-ch)	16-ch: 18-ch up to 12 MP (up to 34-ch) 32-ch: 32-ch up to 12 MP (up to 64-ch)
Human/Vehicle Analysis	motion detection 2.0: all channels Perimeter Protection: 4-ch: up to 2-ch 8-ch/16-ch: up to 4-ch	motion detection 2.0: all channels Perimeter Protection: up to 4-ch	motion detection 2.0: all channels Perimeter Protection: up to 4-ch	motion detection 2.0: all channels Perimeter Protection: 4-ch: 4-ch 8-ch: 8-ch	motion detection 2.0: all channels (New FW needed)	motion detection 2.0: all channels (New FW needed)	motion detection 2.0: all channels (New FW needed)
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Chassis	1U	1U	1U	1U	1.5U	1.5U	2U
Power Requirements	12 VDC, ≤24 W without HDD	12 VDC, ≤19 W without HDD	12 VDC, ≤20 W without HDD	12 VDC, ≤15 W without HDD	100 to 240 VAC, ≤55 W without HDD	100 to 240 VAC, ≤55 W without HDD	100 to 240 VAC, ≤55 W without HDD

TurboHD™ Kits

Hikvision now offers a complete recorder and 2 or 5 MP ColorVu camera kits for single-site applications. The kits contain a recorder and multiple cameras in a single box, suitable for DIY applications such as residences or small businesses looking to enhance their security system with a space-saving system. Get your hands on this advanced security kit today to experience new colors, clarity, stability, and convenience as you start securing your property with ease. These TurboHD Kits include 4, 8, or 16-channel recorders and 4, 6 or 12 cameras respectively.

The new 2 MP ColorVu TurboHD eSSD Bundle Kits offer the perfect solution for your video security needs with 24/7 full-color and intelligent, advanced tracking with Motion Detection 2.0. This bundle includes an embedded solid-state drive (eSSD) for reliable storage of video, a 45% reduction in power consumption, and a compact design. With impressive Motion Detection 2.0, you'll never miss a thing—it allows you to focus on human and vehicle events with instant alarms and handy search functions.

FEATURES

- 2 MP Turbo Kit with eSSD design delivers outstanding shock resistance to prevent video loss, reduces power consumption by 45% to help users save energy costs, and is eco-friendly
- Captures high-quality, full-color video 24/7 to protect people and property at night with the same sharp rendering as in daylight
- Motion Detection 2.0 to gain effective false alarm reduction and focus on what really matters
- Up-the-Coax camera menu programming
- Auto-detect HD-TVI/CVBS inputs

APPLICATIONS

Residences

Retailers

Parking Lots

Office Building

TURBOHD DVR/CAMERA KITS

			ColorVu	ColorVu	ColorVu
MODEL	HX-EKTK82T26	HX-EKTSSD424	HX-T7204U1TC	HX-T7208U2TC	HX-T7216U4TC
FORM FACTOR	Turret	Turret	Turret	Turret	Turret
NUMBER OF KIT CAMERAS	6	4	4	6	12
CAMERA	HX-ECTT12F2	HX-2CE7DFTMF	HX-TRKF0TMF2	HX-TRKF0TMF2	HX-TRKF0TMF2
MIN. ILLUMINATION (LUX)	Color: 0.01 @ ƒ/1.2 B/W: 0 with IR	Color: 0.001 @ ƒ/1.0 B/W: 0 with White Light	Color: 0.001 Lux @ ƒ/1.0 B/W: 0 with White Light	Color: 0.001 Lux @ ƒ/1.0 B/W: 0 with White Light	Color: 0.001 Lux @ ƒ/1.0 B/W: 0 with White Light
HD-TVI RESOLUTION	1080p	1080p	5 MP	5 MP	5 MP
LENS	Fixed 2.8 mm	Fixed 2.8 mm	Fixed 2.8 mm	Fixed 2.8 mm	Fixed 2.8 mm
DAY/NIGHT, BLC, WDR	True (ICR), Yes, DWDR	True (ICR), Yes, DWDR	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital
IR RANGE	20m (65 ft)	20m (65 ft)	20m (65 ft)	20m (65 ft)	20m (65 ft)
OSD MENU	Yes, over UTC	Yes, over UTC	Yes, over UTC	Yes, over UTC	Yes, over UTC
RATINGS	P66, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
OPERATING TEMPERATURE RANGE	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)
POWER REQUIRE-MENTS (MAX.)	12 VDC, 4W	12 VDC, 2.4W	12 VDC ±25%, 2.5W	12 VDC ±25%, 2.5W	12 VDC ±25%, 2.5W
DVR	ERT-K2082	DS-E04HQHI-B	HX-T7204HUM	HX-7208HUM	HX-7216HUM
MAX. RECORDING RESOLUTION	ERT-K2082	4 MP	8MP	8MP	8MP
VIDEO COMPRESSION	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/ H.264+/H.264
HDMI/VGA OUTPUT	1920 × 1080/60 Hz sychronous	1920 × 1080/60 Hz sychronous	1920 × 1080/60 Hz sychronous	4K (3840 × 2160)/30 Hz sychronous	4K (3840 × 2160)/30 Hz sychronous
ANALOG INPUT	8-Ch 1.0 Vp-p, 75 Ω	4-Ch 1.0 Vp-p, 75 Ω	4-Ch 1.0 Vp-p, 75 Ω	8-Ch 1.0 Vp-p, 75 Ω	16-Ch 1.0 Vp-p, 75 Ω
VIDEO STANDARD	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP
TWO-WAY AUDIO INPUT	1-ch, RCA (linear, 1K Ω)	1-ch, RCA (linear, 1K Ω)	1-ch, RCA (linear, 1K Ω)	1-ch, RCA (linear, 1K Ω)	1-ch, RCA (linear, 1K Ω)
USB 2.0	2×USB 2.0	2×USB 2.0	2×USB 2.0	2×USB 2.0	1×USB 3.0, 1xUSB 2.0
INTERNAL SATA	Preloaded HDD configurations	Built-in eSSD	Preloaded HDD configurations	Preloaded HDD configurations	Preloaded HDD configurations
INTERNAL STORAGE	2 TB	480 GB	1 TB	2 TB	4 TB
HIKVISION IP CAMERA SUPPORT	4-ch (up to 12-ch) 6MP	1-ch (up to 6-ch) 6MP	4-ch (up to 8-ch) 8MP	8-ch (up to 16-ch)8MP	16-ch (up to 32-ch)8MP
OSD MENU–UP-THE-COAX	Yes	Yes	Yes	Yes	Yes
HUMAN/VEHICLE ANALYSIS	N/A	Motion Detection 2.0 on all channels	Motion Detection 2.0 on all channels	Motion Detection 2.0 on all channels	Motion Detection 2.0 on all channels
REMOTE CONNECTION	64	32	32	64	128
RATINGS	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
POWER REQUIREMENTS	12 VDC, ≤ 12W	12 VDC, ≤ 5.4W	12 VDC,≤ 10 W	12 VDC,≤ 20 W	12 VDC,≤ 20 W

ACCESSORIES

	Decoder	Decoder	Decoder
MODEL	HX-6901UDI	HX-6908UDI	HX-6916UDI
VIDEO INPUT	16 IP Channels	64 IP Channels, DVI, VGA	128 IP Channels, DVI, VGA
VIDEO OUTPUT	1 HDMI (4K), 1 VGA (1080p), 1 BNC	8 HDMI (4K ×4, 1080p ×4), 4 BNC via DB15 adapter	16 HDMI (4K ×8, 1080p ×8), 8 BNC via 2 DB15 adapters
OUTPUT SPLIT SCREEN	1/4/6/8/9/12/16, Roaming	1/4/6/8/9/12/16/25/36, Roaming	1/4/6/8/9/12/16/25/36, Roaming
DECODING CAPABILITY	24MP@30fps: 1-ch 12MP@20fps: 2-ch 8MP@30fps: 4-ch 5MP@30fps: 6-ch 3MP@30fps: 10-ch 1080p@30fps: 16-ch	12 MP @ 20 fps: 8-ch 8 MP @ 30 fps: 16-ch 6 MP @ 30 fps: 21-ch 4 MP @ 30 fps: 32-ch 2 MP @ 30 fps: 64-ch	24MP@30fps: 8-ch 12MP@20fps:16-ch 8MP@30fps: 32-ch 5MP@30fps: 48-ch 3MP@30fps: 80-ch 1080p@30fps/3 Mbps: 128-ch
NETWORK INTERFACE	Gigabit Ethernet ×1	Management Ethernet ×2 1 Gbps Ethernet ×2 100 Mbps Ethernet ×16	RJ45 interface × 2, 10/100/1000 Mbps adaptive Optic interface × 2, 100 base-FX/1000 base-X An RJ45 interface and an optic interface form a combo.
TWO-WAY AUDIO I/O	1/1 (3.5 mm audio plugs)	1/1 (3.5 mm audio plugs)	1/1 (3.5 mm audio plugs)
AUDIO OUTPUT	1 RCA	8 BNC via DB15 adapters	16 BNC via 2 DB15 adapters
ALARM INPUT/OUTPUT	8/8	8/8	8/8
RS-232	Yes	Yes	Yes
RS-485	Yes	Yes	Yes
POWER REQUIREMENTS	12 VDC ≤15 W	100 to 240V AC ≤70 W	100 to 240V AC ≤108 W

	encoder	encoder	encoder
MODEL	HX-6704HUHIM	HX-6708HUHI-M	HX-6716HUHI-M
FRAME RATE (FPS)	8 MP@8fps/5 MP@12fps/4 MP@15fps	8 MP@8fps/5 MP@12fps/4 MP@15fps	8 MP@8fps/5 MP@12fps/4 MP@15fps
VIDEO INPUT	4-ch, BNC (1.0 Vp-p, 75 Ω)	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)
DUAL STREAM	Support	Support	Support
VIDEO COMPRESSION	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
NETWORK INTERFACE	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
AUDIO OUTPUT	1/1	4/1	4/1
ALARM INPUT/OUTPUT	4/1	8/4	16/4
REMOTE CONNECTION	32	64	128
RS-485	Yes	Yes	Yes
POWER REQUIREMENTS	12 VDC ≤10 W	12 VDC ≤10 W	12 VDC ≤19 W

SI Series Smart Managed Switches

Hikvision PoE switches bring great convenience to security installation and monitoring management. Switches are optimized for video security and deliver intelligent features.

SI AND EI SMART MANAGED NETWORK SWITCHES

Hikvision SI and EI Smart Managed Switches offer unique features such as Visualized Topology, Network Health Monitoring, Real-Time Alarm with either iVMS-4200 or HikCentral. These features can greatly reduce network downtime, allowing network administrators to quickly isolate an issue, making it easier to repair and maintain.

BENEFITS

- **VISUAL**: See health status, alerts, live views, and configuration from a simple dashboard.
- **POWERFUL**: Up to 90W per port and distances up to 984 feet.
- **CONVENIENT:** Easy switch deployment saves time and money with simplified installation.
- **SECURE:** Auto-restart cameras once they are detected offline.
- **PERFORMANCE:** Rich management features such as VLANs, QoS, port bandwidth controls, and more, deliver effective functionality.

FEATURES

- Visual Topology Management
- Network Health Monitoring
- Real-Time Alarm and Device Status
- IP Camera Preview and Control
- Extended Mode up to 984 ft
- Up to 6kV Surge Protection
- POE Watchdog

NETWORK SWITCHES

	UNMANAGED GIGABIT POE SWITCH	UNMANAGED GIGABIT HI-POE SWITCH	SMART MANAGED 100M POE SWITCH	SMART MANAGED GIGABIT POE SWITCH	FULL MANAGED POE SWITCH	UNMANAGED HARDEN GIGABIT POE SWITCH	UNMANAGED HARDEN GIGABIT POE SWITCH
MODEL	HX-SW0505P HX-SW0510P HX-SW0518P HX-SW0526P	HX-0505HiPOE HX-0510HiPOE HX-0520HiPOE HX-0528HiPOE	HX-SW1105PEI HX-SW1309PEI HX-SW1318PEI HX-SW1326PEI	HX-SW1510PSI HX-SW1518PSI HX-SW1526PSI HX-SW1552PSI	HX-SW510PB HX-SW528PB	HX-SW0506HS	HX-SW0510HS
TYPE	Unmanaged	Unmanaged Gigabit HI-PoE Switch	Smart Managed 100M PoE Switch	Smart Managed Gigabit PoE Switch	Full Managed PoE Switch	Unmanaged Harden Gigabit PoE Switch	Unmanaged Harden Gigabit PoE Switch
PORTS	4 × Gbps PoE ports, 1 × Gbps Ethernet Uplink 8 × Gbps PoE ports, 1 × Gbps Ethernet Uplink, 1 × Gbps SFP Fiber Optic Uplink 16 × Gbps PoE ports, 1 × Gbps Ethernet Uplink, 1 × Gbps SFP Fiber Optic Uplink 24 × Gbps PoE ports, 1 × Gbps Ethernet Uplink, 1 × Gbps SFP Fiber Optic Uplink	3 × gigabit PoE ports, 1 × gigabit Hi-PoE port and 1 × gigabit RJ45 port Uplink 6 × gigabit PoE ports, 2 × gigabit Hi-PoE ports, 1 × gigabit RJ45 port, and 1 × gigabit fiber optical port Uplink 12 × gigabit PoE ports, 4 × gigabit Hi-PoE ports, 2 × gigabit RJ45 ports, and 2 × gigabit fiber optical ports Uplink 20 × gigabit PoE ports, 4 × gigabit Hi-PoE ports, 2 × gigabit RJ45 ports, and 2 × gigabit fiber optical ports Uplink	4 × 100 Mbps PoE ports, 1 × 100 Mbps Ethernet Uplink 8 × 100 Mbps PoE ports, 1 × 1 Gbps Ethernet Uplink 16 × 100 Mbps PoE ports, 2 × 1 Gbps Combo Uplink 24 × 100 Mbps PoE ports, 2 × 1 Gbps Combo Uplink	8 × Gbps PoE ports, 2 × Gbps SFP Fiber Optical Uplink 16 × Gbps PoE ports, 2 × Gbps SFP Fiber Optic Uplink 24 × Gbps PoE ports, 2 × Gbps SFP Fiber Optic Uplink 48 × 1 Gigabit PoE port,2 × 1 Gigabit fiber optical port,2 × 1 Gigabit RJ45 port Uplink	8 × Gbps PoE Ports, 2 × Gbps SFP optical Uplink 24 × Gbps PoE Ports, 4 × Gbps Combo Uplink	3 × Gbps PoE ports 1 × Gbps Hi-PoE port 2 × Gbps SFP fiber optical ports Ports 3 and 4: up to 300 m	6 × Gbps PoE RJ45 ports 2 × Gbps Hi-PoE RJ45 ports 2 × Gbps SFP fiber optical ports Ports 7 and 8: up to 300 m
FORWARDING	7.44 Mpps 14.88 Mpps 26.784 Mpps 38.688 Mpps	7.44 Mpps 14.88 Mpps 29.76 Mpps 41.664 Mpps	0.744 Mpps 2.678 Mpps 5.356 Mpps 6.547 Mpps	14.88 Mpps 26.784 Mpps 36.688 Mpps 77.376 Mpps	28 Mpps 51 Mpps	Store-and-forward switching	Store-and-forward switching
BACKPLANE	10 Gbps 20 Gbps 36 Gbps 52 Gbps	10 Gbps 20 Gbps 36 Gbps 56 Gbps	1 Gbps 3.6 Gbps 7.2Gbps 8.8Gpps	20 Gbps 36 Gbps 52 Gpps 104 Gpps	-	22 Gbps	20 Gbps
POE BUDGET	60W 110W 230W 370W	60W 110W 225W 370W	60W 115W 230W 370W	115W 225W 370W 470W	130W 370W	60W	110W
MAX. PORT POWER	30W	90W	30W	30W	30W	Port 1: 60 W Ports 2 to 4: 30 W	Ports 1 and 2: 90 W Ports 3 to 8: 30 W
DIMENSION (HXWXD)	105 mm × 27.6 mm × 83.1 mm (4.1" × 1.1" × 3.3") 217.6 mm × 27.8 mm × 108.55 mm (8.6" × 1.1" × 4.3") 440 mm × 44 mm × 220.8 mm (17.3" × 1.7" × 8.7") 440 mm × 44 mm × 220.8 mm (17.3" × 1.7" × 8.7")	121 mm × 88.1 mm × 27.6 mm (4.76" × 3.47" × 1.09") 217.6 mm × 108.55 mm × 27.8 mm (8.57" × 4.27" × 1.09") 440 mm × 220.8 mm × 44 mm (17.32" × 8.69" × 1.73") 440 mm × 220.8 mm × 44 mm (17.32" × 8.69" × 1.73")	105 mm × 27.6 mm × 83.1 mm (4.76" × 3.47" × 1.09") 170 mm × 27.6 mm × 93.1 mm (4.76" × 3.47" × 1.09") 440 mm × 44 mm × 220.8 mm (4.76" × 3.47" × 1.09") 440 mm × 44 mm × 221 mm (4.76" × 3.47" × 1.09")	217.6 mm × 108.55 mm × 27.8 mm (8.57" × 4.27" × 1.09") 440 mm × 220.8 mm × 44 mm (17.32" × 8.69" × 1.73") 440 mm × 221 mm × 44 mm (17.32" × 8.70" × 1.73") 440.00 mm × 44.00 mm × 323.80 mm (17.32" × 1.73" × 12.71")	280 mm × 180 mm × 44 mm 440 mm × 210 mm × 44 mm	158 mm × 101.2 mm × 31.6 mm (6.22" × 3.98" × 1.24")	197 mm × 114.2 mm × 42.2 mm (7.76" × 4.50" × 1.66")

	ECONOMIC FHD	ECONOMIC FHD	ECONOMIC FHD	ECONOMIC FHD	PROFESSIONAL FHD	PROFESSIONAL FHD	4K UHD
MODEL	HX-MON22FNC	HX-MON24N	HX-MON27FN	HX-MON32MQ	HX-D5024FCC	HX-MON32MA	HX-MON43UC
DISPLAY TYPE	E-LED	E-LED	TFT-LED Backlight	LED-Backlight TFT LCD	E-LED	LED-Backlight TFT LCD	D-LED Backlight
SCREEN SIZE	21.5"	23.8"	27"	31.5"	23.8"	31.5"	42.5"
MAX RESOLUTION	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160
BRIGHTNESS	250 cd/m²	250 cd/m²	300 cd/m²	300 cd/m²	250 cd/m²	300 cd/m²	400 cd/m²
CONTRAST	1000:1	1000:1	1000:1	1400:1	4000:1	1000:1	1200:1
RESPONSE TIME	6.5 ms	14 ms	14 ms	8 ms	6.5 ms	8 ms	8 ms
COLOR	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M	1.07 billion
VIEWING ANGLE	Horizontal 178° Vertical 178°	Horizontal 178° Vertical 178°	Horizantal 178° Vertical 178°	Horizontal 178° Vertical 178°	Horizontal 178° Vertical 178°	Horizontal 178° Vertical 178°	Horizontal 178° Vertical 178°
INPUTS	HDMI, VGA, Audio In	HDMI, VGA, Audio In	HDMI, VGA	HDMI, VGA, Audio In	HDMI, VGA, BNC, USB, Audio In	HDMI, VGA, BNC, DVI, Audio In	2x HDMI 2.0 VGA, USB3.0, USB2.0, RS232, LAN, Audio In
OUTPUTS	-	-	-	-	-	BNC, PC Audio	Audio Out
SPEAKER	-	-	-	5W x 2	2W x 2	2W x 2	8W x 2
POWER SUPPLY	100-240 VAC	102 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
POWER CONSUMPTION	≤ 22 W	≤ 30 W	≤ 40 W	≤ 54 W	≤ 22 W	≤ 45 W	≤ 120 W
OPERATION TEMPERATURE	32° F to 104° F (0° C to 40° C)	32° F to 104° F (0° C to 40° C)	32° F to 104° F (0° C to 40° C)	32° F to 104° F (0° C to 40° C)	32° F to 104° F (0° C to 40° C)	32° F to 104° F (0° C to 40° C)	32° F to 104° F (0° C to 40° C)
VESA MOUNT	75 mm × 75 mm	75 mm × 75 mm	100 mm × 100 mm	100mm x 100mm	75 mm × 75 mm	100mm x 100mm	200mm x 200mm/400mm x 400mm
DIMENSION (W×H×D)	492 mm × 290 mm × 44 mm (19.38" × 11.40" × 1.73")	540 mm x 418 mm x 227 mm (21.26" x 16.46" x 8.94")	614mm x 454mm x 226mm (24.2" x 17.8" x 8.9")	727mm x 424mm x 64 mm (28.62" x 16.69" x 2.52")	539 mm x 328 mm x 44 mm (21.22" x 12.91" x 1.73")	729 mm x 433 mm x 50 mm (28.70" x 17.05" x 1.97")	968 x 559 x 60 mm (38" x 22" x 2.4")
WEIGHT	Gross weight: 8.8 lbs (4 kg) Net weight: 5.7 lbs (2.6 kg)	Gross weight: 9.7 lbs (4.4 kg) Net weight: 7.5 lbs (3.4 kg)	Gross weight: 12.39 lbs (5.62 kg) Net weight: 8.95 lbs (4.08 kg)	Gross weight: 14.15 lbs (6.76 kg) Net weight: 11.4 lbs (5.09 kg)	Gross weight: 11.0 lbs (5.0 kg) Net weight: 7.9 lbs (3.6 kg)	Gross weight: 20.4 lbs (9.3 kg) Net weight: 12.7 lbs (5.8 kg)	Gross Weight: 25.79 lbs (11.7kg) Net Weight: 18.96 lbs (8.6kg)

MODEL	HX-PA0103B
NETWORK INTERFACE	10/100Base-TX self-adaptive network, RJ45 interface
NETWORK PROTOCOL	TCP, UDP, RTP, ARP, ICMP, DHCP, DNS, IGMP, HTTP
AUDIO PROTOCOL	MP3, G.711a/u, G.722
STORAGE	Micro SD Card, up to 32 GB
MIC INPUT	0.2 Vrms
SPEAKER OUTOUT	8 Vrms
POWER	PoE (IEEE 802.3af)
POWER CONSUMPTION	< 1 W (without sound), maximum 13 W (producing sound)
OPERATING TEMPERATURE	-40°C to 60°C (-40°F to 140°F)
PROTECTION LEVEL	IP67
CERTIFICATIONS	EN 55022 Class B, EN 61000-6-1, EN 61000-6-2, EN 55024, EN 50121-4, IEC 62236-4, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, IEC/EN/ UL 60950-1, IEC/EN/UL 60950-22, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-64, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 60529 IP67, NEMA 250 Type 4X, CNS 13438
DIMENSION	Without bracket: 242 mm × 182 mm × 250 mm (9.53" × 7.17" × 9.84")
WEIGHT	Approx. 1.5 kg (3.31 lb.)

Video Intercom Solutions

Hikvision's 2nd generation Modular IP and Two-Wire Intercom Systems are stylish, affordable, and scalable for applications of all sizes. Hikvision's complete intercom package hosts an abundance of functionality, from traditional modules with single functionality such as keypad, card reader, and name tag, to an all-in-one module that combines all functions together. The user answers the door at the indoor station and can easily unlock the door with a simple push of the button. The system is also fully integrated with the Hik-Connect app to provide the user with full access to their door from virtually anywhere, anytime. The intercom can also be added to Hikvision NVRs or DVRs as an IP camera for front door monitoring and is suitable for a variety of applications.

Combining convenience and versatility, the Hikvision IP and Two-Wire Video Intercom system propels home and business interactive video security one step further.

FEATURES

- Full HD video quality at your door, capable of integrating with Hikvision recorders
- Clear audio communication with echo and noise cancellation
- 180-degree 2 MP Fisheye HD camera with IR for clear video in the dark
- Fully integrated with Hik-Connect and smartphone app enables user to speak to visitors and unlock doors remotely
- User-friendly 7-inch touch screen LCD also functions as a monitor for Hikvision cameras
- Choose the best fit for your application with flexible and customizable modular design
- Access control module and keypad module allow tenant entrance using key card or passcode
- All door and indoor stations are managed via network cables or two-conductor cables, making both physical connections and software management easy to perform
- Multiple door stations can be programmed to be answered by multiple indoor stations
- The Modular IP Video Intercom Kit (HX-KIS602) bundles a door station, indoor station, MicroSD card and a PoE switch

APPLICATIONS

Single Family Homes

Commercial Buildings

Condominiums

Apartments
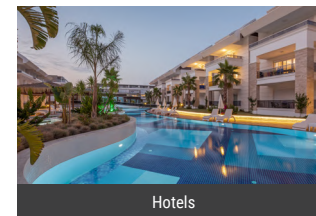
Hotels

Schools

	DOORBELL
	2nd Gen Smart Wi-Fi Doorbell
MODEL	HX-HD2
MOBILE CALLING	• Calls Hik-Connect mobile app
CAMERA	2MP
SENSOR SIZE	1/2.4" Progressive Scan CMOS
LENS, FIELD OF VIEW	Ultra FOV 170° Vertical
IR RANGE MAX	19.7 ft
VIDEO COMPRESSION	H.264/H.265
AUDIO INPUT/OUTPUT	Built-in high-sensitivity microphone
ALARM INPUT/OUTPUT	" Motion detection (with Human shape detection) "
RATINGS	IEEE802.11a/b/g/n, 2.4/5GHz (Dual-band)
OPERATING TEMPERA-TURE RANG	Wi-Fi
MODULE I/O	Micro SD Card (Up to 256GB)
POWER REQUIREMENTS (MAX.)	AC 12V ~ 24V
WORKING TEMPERATURE	"30°C to 60°C (-22°F to 140 °F) "
RATINGS	IP65
DIMENSION (H×W×D)	1.82" x 5.05" 0.75"
BRACKETS	flat and angled mounting plate

Modular IP Video Intercom Kit

HX-KIS602

Models Included:

HX-KD8003S

HX-KH6320WT

Accessories Included:

16 GB Micro SD Card

DS-3E0105P-E/M

Key Features:

- Guests call from the video door station with a single button
- Host receives calls and can unlock door from indoor station and Hik-Connect mobile app
- Make room-to-room audio calls between indoor stations
- Indoor Station records messages on the included micro SD card
- Indoor station monitors door station(s) and up to 16 cameras
- Easy operation with UI 2.0
- All devices use standard PoE

Two-Wire Video Intercom Kit

HX-KIS702YP

Models Included:

HX-KD8003Y2

HX-KDACW1

HX-KH632YWT2

DS-KAD704Y

Accessories Included:

Power Supply

Key Features:

- 2 Mega Pixel HD fisheye camera with night vision and 180° wide viewing angle
- Plug & play two-wire and IP based video intercom kit
- Guests call from the video door station with a single button
- Simplified user interface indoor station with 7-inch touch screen
- Host receives calls and can unlock door from indoor station and Hik-Connect mobile app
- Make room-to-room audio calls between indoor stations
- Indoor station records messages on the included micro SD card
- Indoor station monitors door station(s) and up to 16 cameras
- Metal outdoor panel, waterproof, IP65 rating

	IP VIDEO INTERCOM RUGGED DOOR STATION	IP VIDEO INTERCOM EXPANDABLE DOOR STATION		TWO-WIRE VIDEO INTERCOM EXPANDABLE DOOR STATION		IP VIDEO INTERCOM VILLA DOOR STATION	IP VIDEO INTERCOM 1-TENANT DOOR STATION	IP VIDEO INTERCOM 2-TENANT DOOR STATION	IP VIDEO INTERCOM 4-TENANT DOOR STATION	IP VIDEO INTERCOM APARTMENT-STYLE ENTRANCE STATION
MODEL	HX-KB8113IME	HX-KD8003S	HX-KD8003F	HX-KD8003	HX-KD8003Y	HX-KV9503WBE1	HX-KV8113WM	HX-KV8213WM	HX-KV8413WM	HX-KD9633
MOBILE CALLING	Calls Hik-Connect app independently and also works with an indoor station.	• Calls indoor stations • Calls Hik-Connect mobile app via indoor station		• Calls indoor stations • Calls Hik-Connect mobile app via indoor station	• Calls indoor stations • Calls Hik-Connect mobile app via indoor station	• Calls indoor stations • Calls Hik-Connect mobile app via indoor station Contact Lists	• Calls indoor stations • Calls Hik-Connect mobile app independently and also works with an indoor station with latest firmware.	• Calls indoor stations • Calls Hik-Connect mobile app via indoor station	• Calls indoor stations • Calls Hik-Connect mobile app via indoor station	• Calls indoor stations • Calls Hik-Connect mobile app via indoor station
CAMERA	2 MP, 88° × 45° FOV, WDR	2 MP, 180° × 96° FOV, WDR		2 MP, 180° × 96° FOV, WDR	2 MP, 180° × 96° FOV, WDR	2MP, Horizontal: 88°, Vertical: 44°	2 MP, 129° × 75° FOV, WDR	2 MP, 129° × 75° FOV, WDR	2 MP, 129° × 75° FOV, WDR	2MP, 88° × 44° FOV
NIGHT VISION	Up to 10 ft	Up to 10 ft		Up to 10 ft	Up to 10 ft	IR Supplement Lights	Up to 10 ft	Up to 10 ft	Up to 10 ft	Up to 10 ft
VIDEO COMPRESSION	H.264	H.264		H.264	H.264	H.264 and H.265 on Third Stream	H.264	H.264	H.264	H.264
PHYSICAL BUTTONS	1	1 with Name Tag		1 with Name Tag	1 with Name Tag	Touch Screen	1 with Name Tag	2 with Name Tag	4 with Name Tag	-
INTERNAL CARD READER	-	-		-	-	M1 Card Reader	M1 Card Reader	M1 Card Reader	M1 Card Reader	M1 Card Reader
LOCK RELAY	1 (12V, 1 A max.)	2 (30 V, 1 A max. each)		2 (30 V, 1 A max. each)	2 (30 V, 1 A max. each)	2 (30 V, 1 A max. each)	1 button	2 button	4 button	Touch Screen
AUDIO I/O	Built-in Microphone & Loudspeaker	Built-in Microphone & Loudspeaker		Built-in Microphone & Loudspeaker	Built-in Microphone & Loudspeaker	Built-in Microphone & Loudspeaker	Built-in Microphone & Loudspeaker	Built-in Microphone & Loudspeaker	Built-in Microphone & Loudspeaker	Built-in Microphone & Loudspeaker
MAX. EXTENSIONS	8 Door Station Extensions	8 Door Station Extensions		8 Door Station Extensions	8 Door Station Extensions	16 Door Station Extensions	8 Door Station Extensions	8 Door Station Extensions	8 Door Station Extensions	8 Door Station Extensions
NETWORK PROTOCOL	10/100 Mbps TCP/IP, RTSP, RTP, ISAPI, NTP, HTTP, HTTPS, DHCP, FTP, SMTP	10/100 Mbps TCP/IP, RTSP		TCP/IP, RTSP	TCP/IP, RTSP	TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP
NETWORK INTERFACE	RJ45	RJ45		RJ45	Two-Wire Transmission	RJ45, Wi-Fi (802.11b/g/n)	RJ45, Wi-Fi (802.11b/g/n)	RJ45, Wi-Fi (802.11b/g/n)	RJ45, Wi-Fi (802.11b/g/n)	RJ45, Wi-Fi (802.11b/g/n)
MODULE I/O	-	1		1	1	1	Supports SDHC 128 GB Max.	Supports SDHC 128 GB Max.	Supports SDHC 128 GB Max.	Supports SDHC 128 GB Max.
TAMPER ALARM	-	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
SENSOR/ALARM INPUTS	1	4		4	4	4	4	4	4	4
POWER REQUIREMENTS (MAX.)	12 VDC, PoE (802.3af), ≤10 W	12 VDC, PoE (802.3af), ≤10 W		PoE (802.3af) or 12 VDC independent power supply (<20 W)	24 VDC two-wire power supply (< 16 W) or 12 VDC independent power supply (<20 W)	"IEEE802.3af, standard PoE 12 VDC ⩽10 W"	IEEE802.3af, standard PoE 12 VDC, 10 W	IEEE802.3af, standard PoE 12 VDC, 10 W	IEEE802.3af, standard PoE 12 VDC, 10 W	12VDC < 18W
WORKING TEMPERATURE	-30 to 50 °C (-22 to 122 °F)	-40 to 60 °C (-40 to 140 °F)		-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to +53 °C (-40 °F to +127.4 °F)	-40 °C to +53 °C (-40 °F to +127.4 °F)	-40 °C to +53 °C (-40 °F to +127.4 °F)	-30° C to 60° C (-22° F to 140° F)
RATINGS	UL, IK9, IP65	UL, IP65		UL, IP65	UL, IP65	UL, IP65	UL, IP65, IK08	UL, IP65, IK08	UL, IP65, IK08	UL, IP65, IK07
DIMENSION (H×W×D)	161.85 mm × 74.13 mm × 53.2 mm (6.372" × 2.919" × 2.094")	98×99.8×43.9 mm (3.86×3.93×1.73 in)	98×99.8×43.9 mm (3.86×3.93×1.73 in)	98 x 100 x 43.9 mm (3.86 x 3.94 x 1.73 in)	98 x 100 x 43.9 mm (3.86 x 3.94 x 1.73 in)	181.93 mm × 84.78 mm × 25.63 mm	174 mm x 91 mm x 29 mm (6.85 x 3.58 x 1.14 in)	174 mm x 91 mm x 29 mm (6.85 x 3.58 x 1.14 in)	174 mm x 91 mm x 29 mm (6.85 x 3.58 x 1.14 in)	271 mm × 159.2 mm × 26.5 mm

	IP VIDEO INTERCOM INDOOR STATION	IP VIDEO INTERCOM INDOOR STATION	IP VIDEO INTERCOM INDOOR STATION	TWO-WIRE VIDEO INTERCOM INDOOR STATION
MODEL	HX-KH9510WT	HX-KH8350WT	HX-KH6320WT	HX-KH632YWT2
MOBILE CALLING	• Calls other indoor stations • Relays door station call to Hik-Connect mobile app • Calls iVMS-4200 Center	• Calls other indoor stations • Relays door station call to Hik-Connect mobile app • Calls iVMS-4200 Center	• Calls other indoor stations • Relays door station call to Hik-Connect mobile app • Calls iVMS-4200 Center	• Calls other indoor stations • Relays door station call to Hik-Connect mobile app • Calls iVMS-4200 Center
DISPLAY	Touchscreen, 10 in IPS Screen, 1024×600, Plastic Frame	Touchscreen, 7 in IPS Screen, 1024×600, Plastic Frame	Touchscreen, 7 in TFT LCD, 1024×600, Plastic Frame	Touchscreen, 7 in TFT LCD, 1024×600, Plastic Frame
VIDEO COMPRESSION	H.264	H.264	H.264	H.264
PHYSICAL BUTTONS	1 unlock touch	1 Unlock Button	-	-
AUDIO OUTPUT	Microphone/Speaker	Microphone/Speaker	Microphone/Speaker	Microphone/Speaker
MAX. EXTENSIONS	5 Indoor Extensions	5 Indoor Extensions	5 Indoor Extensions	5 Indoor Extensions
NETWORK PROTOCOL	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP
NETWORK INTERFACE	RJ45, Wi-Fi (802.11b/g/n)	RJ45, Wi-Fi (802.11b/g/n)	RJ45, Wi-Fi (802.11b/g/n)	Two-wire, Wi-Fi (802.11b/g/n)
MICRO SD CARD SLOT	Supports SDHC 32 GB Max.	Supports SDHC 32 GB Max.	Supports SDHC 32 GB Max.	Supports SDHC 32 GB Max.
SENSOR/ALARM INPUTS	8	8	8	8
POWER REQUIREMENTS (MAX.)	12 VDC, PoE (802.3af), ≤8 W	12 VDC, PoE (802.3af), ≤7 W	12 VDC, PoE (802.3af), ≤7 W	Two-wire ≤ 6 W
WORKING TEMPERATURE	-10 to 50 °C (14 to 122 °F)	-10 to 55 °C (14 to 131 °F)	-10 to 55 °C (14 to 131 °F)	-10° C to 55° C (14° F to 131° F)
RATINGS	UL	UL	UL	UL
DIMENSION (H×W×D)	254 mm × 166 mm × 26.65 mm (10.0"" × 6.54"" × 1.05"")	180 mm x 140 mm x 22.4 mm (7.09" x 5.51"" x 0.88"")	200 mm × 140 mm × 15.1 mm (7.9"" × 5.5"" × 0.6"")	200 mm × 140 mm × 15.1 mm (7.9"" × 5.5"" × 0.6"")

	IP VIDEO INTERCOM TABLET	VIDEO INTERCOM MODULE	VIDEO INTERCOM MODULE	VIDEO INTERCOM MODULE	VIDEO INTERCOM MODULE	VIDEO INTERCOM BRACKET	VIDEO INTERCOM BRACKET
	Name Tag Module	Keypad Module	Card Reader Module	Blank Module	All-in-one Module	Surface Mount Brackets	Flush Mount Brackets
MODEL	HX-KDKK	HX-KDKP	HX-KDM	HX-KDBK	HX-KDTDM	HX-KDACW1 HX-KDACW2 HX-KDACW3	HX-KDACF1P HX-KDACF2P HX-KDACF3P
FUNCTION	6 x call buttons with physical nametags	Keybad module to open doors via password	Card reader module to open doors via M1 card	Blank module, fill in the gap	Merges keypad, card reader, display modules as well as advertisement display functions	Wall mount brackets, end number means module slots	Flush Mount Brackets, end number means module slots
POWER REQUIRE-MENTS (MAX.)	Powered by HX-KD8003S via RS-485 cable, ≤2 W	Powered by HX-KD8003S via RS-485 cable, ≤2 W	Powered by HX-KD8003S via RS-485 cable, ≤2 W	-	Powered by HX-KD8003S via RS-485 cable, ≤10 W	-	-
WORKING TEM-PERATURE	-40 to 55 °C (-40 to 131 °F)"	-40 to 55 °C (-40 to 131 °F)	-40 to 55 °C (-40 to 131 °F)"	-	-20 °C to 60 °C (-4 °F to 140 °F)	-	-
RATINGS	IP65	IP65, IK7	IP65	IP65	IP65, IK8	-	-
DIMENSION (H×W×D)	98.2×100.2×33.7 mm (3.87×3.95×1.33 in)	98.5×100×34.2 mm (3.88×3.94×1.35 in)	98.5×100×33.7 mm (3.88×3.94×1.33 in)	98.5×100×33.7 mm (3.87×3.95×1.33in)	100 mm × 100 mm × 35 mm (3.94" × 3.94" × 1.38")	117x107×32.7 mm (4.61x4.21x1.29 in) 219x107x32.7 mm (8.62×4.21×1.29 in) 321x107x32.7 mm (12.6×4.21×1.29 in)	134x134x56 mm (5.28×5.31×2.2 in) 237x134x56 mm (9.33×5.27×2.2 in) 338.8x134x56 mm (13.33×5.28×2.2 in)

	TWO-WIRE VIDEO INTERCOM	TWO-WIRE VIDEO INTERCOM
	Distributor	Distributor Extender
MODEL	-	-
MOBILE CALLING	• Relays door station call to Hik-Connect mobile app	• Relays door station call to Hik-Connect mobile app
MAX. EXTENSIONS	15 HX-KAD706P Cascade	-
NETWORK PROTOCOL	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP
NETWORK INTERFACE	1, RJ45 (1-ch reserved terminal and 1 for WAN access)	1, RJ45 (1-ch reserved terminal and 1 for WAN access)
MODULE I/O	6-ch for device power supply, including 1-ch for door station power supply with max. output power 16 W	6-ch for data exchanging
POWER REQUIREMENTS (MAX.)	24 VDC < 9 W (Included)	24 VDC < 7 W (Included)
WORKING TEMPERATURE	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)
RATINGS	UL 60950	UL 60950
DIMENSION (H×W×D)	150 x 95 x 67mm (5.9 x 3.7 x 2.6in)	150 x 95 x 67mm (5.9 x 3.7 x 2.6in)
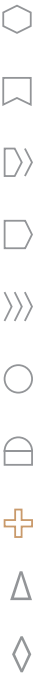
Access Control Solutions

Hikvision access control solutions offer a complete lineup of devices from multi-door control panels and card readers to standalone, fingerprint, video, time and attendance, and biometrics terminals with health/safety features. These products are compatible with Hikvision's free iVMS-4200 Client Software and license-controlled HikCentral software. Access control solutions integrate into existing Hikvision video surveillance systems, delivering a versatile, full-service security system. Our access control solutions easily integrate with our NVRs and DVRs, combining entry/exit management with visual records.

With Hikvision's established presence in video surveillance, our access control solutions easily integrate with our NVRs and DVRs, combining entry/exit management with visual records.

FEATURES

- Bundled with iVMS-4200 and HikCentral software to manage users, permission, and rules for the system
- Supports Wiegand protocol readers and RS485 protocol which uses simpler wiring and permits longer transmission distances
- Multiple authentication methods are available including card authentication, keypad passcode, and fingerprint ID authentication. The user has the ability to request two different types of authentication methods to ensure maximum security.
- Advanced anti-pass back and multi-door interlocking features give the user a truly exceptional security environment

APPLICATIONS

Commercial Buildings

Healthcare

Apartments

Warehouses
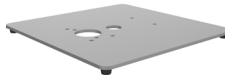
Schools

NETWORK ACCESS CONTROLLER

MODEL	HX-K2602G	HX-K2604G
UPLINK COMMUNICATION INTERFACE	TCP/IP Network Interface and RS-485 Interface	TCP/IP Network Interface and RS-485 Interface
DOWNLINK COMMUNICA-TION INTERFACE	RS-485 and Wiegand (w26/w34)	RS-485 and Wiegand (w26/w34)
STORAGE MAX CARDS NUMBER	100,000	100,000
STORAGE MAX EVENTS NUMBER	300,000	300,000
RS485 CARD READER INTERFACE	4	8
M1 CARD READAER INTERFACE	4	4
INPUT INTERFACE	4 Alarm Input 2 Door Sensor 2 Exit Button 4 Case Input 1 Tamper Alarm	4 Alarm Input 4 Door Sensor 4 Exit Button 8 Case Input 1 Tamper Alarm
OUTPUT INTERFACE	2 Lock Relay 4 Alarm Relay	4 Lock Relay 4 Alarm Relay
BUILT-IN POWER SUPPLY	110-220VAC, 8.5A Max	110-220VAC, 8.5A Max
PANEL POWER INPUT VOLTAGE	12 VDC	12 VDC
LOCK OUTPUT	12 VDC, 1A Max Each Lock	12 VDC, 1A Max Each Lock
CERTIFICATIONS	CE, FCC, UL 294 ETL Listed	CE, FCC, UL 294 ETL Listed

	ACCESS CONTROL TERMINAL	VIDEO INTERCOM TERMINAL	VANDAL-PROOF VIDEO ACCESS CONTROL TERMINAL
MODEL	HX-K1T671M	HX-342DWX	HX-DSK1TBWXC
CARD READER	13.56 MHz M1	13.56 MHz M1	13.56 MHz M1
TEMPERATURE MEASUREMENT SENSOR			
TEMPERATURE MEASUREMENT RANGE	Does not support temperature measurement	Does not support temperature measurement	Does not support temperature measurement
TEMPERATURE MEASURING DISTANCE			
CARD NUMBER CAPACITY	6,000	3,000	100,000
MAX EVENT CAPACITY	50,000	150,000	300,000
BIOMETRICS	Face Authentication	Face Authentication	N/A
FINGERPRINT CAPACITY	-		
CAMERA	2 MP Dual-Lens Camera, WDR	2 MP Dual-Lens Camera	2MP Camera
INPUT INTERFACE	1x Lock Relay, 1 x Exit Button 1x Alarm Output	1x Lock Relay, 1 x Exit Button 1 x Alarm Output	1 x Lock Relay, 1 x Exit Button, 1 x Door Contact Input, 1 x Alarm Input ,1 x Alarm Output
OUTPUT INTERFACE	1x Chime Relay, 1x Alarm Output, 1x Wiegand input/output	1x Wiegand Output	1 x Wiegand Output
PROTECTION LEVEL	IP65	IP65	IP65, IK09
NETWORK CONNECTIVITY	RJ45	Wifi, RJ45	RJ45
COMM. INTERFACE DOWNLINK	Wiegand26/34, RS-485	Wiegand26/34, RS-485	Wiegand26/34, RS-485
DISPLAY SCREEN	7 in LCD Touch Screen	4.3 in LCD Touch Screen	-
LOCAL INPUT	Touchscreen	Touchscreen	Button
AUDIO	Customized Greeting/Rejecting Audio	Customized Greeting/Rejecting Audio	-
RATINGS	UL, IP65	IP65	IK09
TAMPERING/DURESS ALARM	Yes		Yes
WORKING TEMPERATURE	-30° C to 60° C (-22° F to 140° F)		-40° C ~ +70° C (-40° F ~ +158° F)
POWER REQUIREMENTS (MAX.)	12V DC/3 A (Power Adapter Sold Separately, model: DS-KP12V-3A)	12 VDC/1A (Power Adapter Included)	12V-24VDC, 2A
ACCESSORIES	DS-KAB671-S, DS-KAB671-B, DS-KAB6-BASE DS-KP12V-3A Power Adapter	-	-

	FLOOR STAND	PROTECTIVE SHIELD				BRACKET
SECTION	DS-K1T671X Accessories	DS-K1T671X Accessories	DS-K1T671TM-3XF Accessories	DS-K1T671M(-F) Accessories	X Accessories	X Accessories	X Accessories
MODEL	HX-KAB671B	HX-KAB6BASE	HX-DM0701BL	HX-KAB671S	HX-KAB34XS1	HX-KAB502S1	HX-KAB6W1
TYPE	Accessories/Floor Stand	Bracket	Bracket	Bracket	Protective Shield	Protective Shield	Bracket
MATERIAL	Cold-Rolled Steel Plate (SPCC)	Cold-Rolled Steel Plate (SPCC)	Cold-Rolled Steel Plate (SPCC)	PC	PC	SECC	Aluminum alloy
WEIGHT	6.7 kg (14.8 lb)	172 g (0.4 lb)	172 g (0.4 lb)	172 g (0.4 lb)	89 g (0.2 lb)	242.5 g (0.5 lb)	213 g (0.47 lb)
DIMENSION (HXWXD)	98.5 mm × 1342 mm × 225 mm (3.9" × 52.8" × 8.9")	"135 mm × 250 mm × 80 mm (5.3"" × 9.8"" × 3.1"")"	135 mm × 250 mm × 80 mm (5.3" × 9.8" × 3.1")	135 mm × 250 mm × 80 mm (5.3" × 9.8" × 3.1")	99.4 mm × 55 mm × 199.3 mm (3.9" × 2.2" × 7.8")	188.6 mm × 85 mm × 42 mm (7.4" × 3.3" × 1.7")	84 mm × 46.5 mm × 126 mm (3.3" × 1.8" × 5")
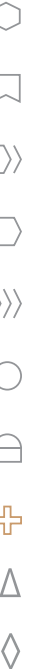
	M1 CARD READER			**PROXIMITY CARD READER**	**PROXIMITY CARD READER**
MODEL	HX-K1102AMK HX-K1102AMF	HX-K1104MK	HX-K1107AM HX-K1107AK	HX-K182HP	HX-K170HPK
CARD TYPE	13.56 MHz M1	13.56 MHz M1	13.56 MHz M1	125 KHz Prox	125 KHz Prox
COMM. INTERFACE	Wiegand 26/34, RS-485	Wiegand 26/34, RS-485	Wiegand 26/34, RS-485	Wiegand 26	Wiegand 26
BIOMETRICS	-	-	-	-	-
FINGERPRINT CAPACITY	-	-	-	-	-
RS-485 ID SETTINGS	DIP Switch	DIP Switch	DIP Switch	-	-
KEYPAD	DS-K1102M: N/A DS-K1102MK: Yes	DS-K1104M: N/A DS-K1104MK: Yes	DS-K1107M: N/A DS-K1107MK: Yes	-	Yes
WORKING TEMPERATURE	-20 to 65 °C (-4 to 149°F)	-20 to 65 °C (-4 to 149°F)	-20 to 65 °C (-4 to 149°F)	−40 to 65 °C (−40 to 149 °F)	−40 to 65 °C (−40 to 149 °F)
PROTECTION LEVEL	UL, IP64	UL, IP65, IK10	UL, IP65	UL 294 ETL Listed, IP67	UL 294 ETL Listed, IP67
INSTALLING	Single Gang Box	Single Gang Box	Mullion	Mullion	Mullion
POWER SUPPLY	12 VDC	12 VDC	12 VDC	5 to 16 VDC	5 to 16 VDC
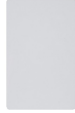
	EXIT BUTTON	EXIT BUTTON	EMERGENCY BREAK GLASS
MODEL	HX-K7P02	HX-K7P04	HX-K7PEB
DIMENSION(L×W×H)	90×35×28.9mm (3.54×1.38×1.14")	90×35×37.7mm (3.54×1.38×1.48")	86(L)x86(W)x50(H)(mm)
INPUT VOLTAGE	12 VDC	12 VDC	12V DC
WORKING CURRENT	20mA(standby), 50mA(working current)	20mA(standby), 50mA(working current)	3A @ 12V DC
CURRENT RATING	3A@36VDC,0.5A@125VAC	1A@30VDC,0.5A@125VAC	3A @ 12V DC
OUTPUT CONTACT	NO/NC/COM contact	NO/NC/COM contact	NO/NC/COM
PANEL	aluminum panel	aluminum panel	Fireproof Material
SUITABLE DOORS	-	all kinds of narrow doorframes	Exit door, Emergency door
WORKING TEMPERATURE	-10 to 55 °C (14 to 131°F)	-20 to 50 °C (-4 to 122°F)	-10 to 55 °C (14 to 131 °F)
WORKING HUMIDITY	0 to 95% (relative humidity)	0 to 95% (relative humidity)	0% to 95% (relative humidity)
MAXIMUM INDUCTIVE DISTANCE	-	40 to 100mm(1.57 to 3.94") (adjustable)	NA
LED INDICATOR STATUS	white/green/red LED, indicates power-off/active/Standby	white/green/red LED, indicates power-off/active/Standby	NA
PRODUCT WEIGHT	0.2 kg (0.44 lb)	0.12 kg (0.26 lb)	0.2 kg (0.44 lb)

	MAGNETIC LOCK	MAGNETIC LOCK	LZ BRACKET	U BRACKET	ELECTRIC BOLT
MODEL	HX-K4H250D	HX-K4H250S	HX-K4H250LZ	HX-K4T100U	HX-K4T100
MAXIMUM THRUST	300 kg (660 lb) ×2	300 kg (660 lb)	300 kg	300 kg	800 kg
POWER REQUIREMENTS	12 VDC, 500 mA ×2 24 VDC, 250 mA ×2 12 W	12 VDC, 500 mA 24 VDC, 250 mA 6 W	-	-	900 mA (Startup Current) 100mA (Standby)
SIGNAL OUTPUT	Dry Contact Signal Output, Support Maximum Power Rate of 3A, NO Output While Locking and NC Output While Unlocking	Dry Contact Signal Output, Support Maximum Power Rate of 3A, NO Output While Locking and NC Output While Unlocking	-	-	Signal Output NC, COM Contact of Door-status
LED INDICATOR	Red & Green	Red & Green	-	-	-
SUITABLE DOOR	Wooden Door, Glass Door, Metal Door, Fireproof Door	Wooden Door, Glass Door, Metal Door, Fireproof Door	in-swing doors	frameless glass door	Wooden Door, Glass Door, Metal Door, Fireproof Door
WORKING TEMPERATURE	-10 to 55 °C (14 to 131 °F)	-10 to 55 °C (14 to 131 °F)	-	-	-10 to 55 °C (14 to 131 °F)
WEIGHT	4.2 kg (9.3 lb)	2.1 kg (4.63 lb)	0.75 kg (1.58 lb)	0.32 kg (0.70 lb)	0.7 kg (1.54 lb)
DIMENSIONS	480×49×25.5 mm (18.9×1.93×1.00 in)	240×49×25.5 mm (9.45×1.93×1.00 in)	L-Bracket: 250×47×28.5 mm (9.84×1.85×1.12 in) Z-bracket: 180×50×50 mm (7.09×1.97×1.97 in)	180×40×28 mm (7.09×1.57×1.10 in)	Plate: 205×35×40 mm (8.07×1.38×1.57 in) Strike: 90×25×2 mm (3.54×0.98×0.07 in)

	M1 CARD (25-PACK)	M1 KEY FOB (25-PACK)	PROXIMITY CARD (25-PACK)	PROXIMITY KEY FOB (25-PACK)
MODEL	-	HX-K7M102M25	HX-K7M151P	HX-K7M153P
SENSING FREQUENCY	13.56 MHz	13.56 MHz	125 kHz	125 kHz
CARD FORMAT	M1	M1	Prox	Prox
WORKING TEMPERATURE	-20 to75 °C (-4 to 167 °F)	-10 to 50 °C (14 to 122 °F)	-37 to 50 °C (-35 to 122 °F)	-37 to 50 °C (−35 to 122 °F)
DIMENSION	85.5×54×0.8 mm	26×50×4 mm	56×86×1.5 mm	30×38×3.8 mm

CARD ENROLLMENT

MODEL	HX-K1F100D8E
CARD READING FREQUENCY	13.56 MHz and 125 KHz
SUPPORTED CARD FORMATS	M1 and EM
INTERFACE	USB 2.0
PLUG AND PLAY	Yes (Windows)
ENCRYPTION	Yes
POWER REQUIREMENTS	USB, 200 mA
WORKING TEMPERATURE	-20 to 65 °C (4 to 149 °F)
RATINGS	UL 60950
DIMENSIONS	117×67.5×14.3 mm (4.61×2.66×0.56 in)

TERMINAL SECURING UNIT

MODEL	HX-K2M061
FUNCTION	Use with an access control terminal or video door station to securely route wires for the exit button, lock, door sensor, alarm output and secondary card reader from the inside of the building.
TERMINAL COMMUNICATION INTERFACE	RS-485 with Indicator
INPUT / OUTPUT INTERFACE	Exit Button ×1, Lock ×1, Door Sensor ×1, Alarm Out ×1 and Wiegand ×1
SUPPORTED MODELS	DS-KV8113-WME1, DS-KV8213-WME1, DS-KV8413-WME1, DS-KD9633-WBE6, DS-K1T201AMF, DS-K1T804BMF, DS-K1T502DBWX-C
POWER REQUIREMENTS	12 VDC
WORKING TEMPERATURE	-30 to 55 °C
RATINGS	FCC, CE, UL 60950
DIMENSIONS	115×48×25 mm (4.53×1.89×0.98 in)

MODEL	HX-CVR81016S	HX-CVR82024D	HX-CVR710244
CONTROLLER/PROCESSOR	Single, 64-bitmulti-core processor	Double, 64-bitmulti-core processor	Single, 64-bit multi-core processor
HIGH-SPEED BUFFER	4 to 32 GB	8 GB (extendable to 32 GB)	16 GB (extendable to 32 GB)
VIDEO INPUT/OUTPUT	IPSAN: 180-ch (2Mbps) Hybrid SAN: 320-ch (2Mbps)	IPSAN: 256-ch (2Mbps) CVR: 448-ch (2Mbps)	Hybrid SAN: 400-ch (2Mbps)
HDD SLOT	16	24	24
HDD INTERFACE	SATA/Up to 12 TB	SSD (optional), SAS/Up to 12 TB	SATA/Up to 20 TB 440TB pre-installed
HOT-SWAP DISK	Supported	Supported	Supported
RAID LEVEL	RAID 0, 1,3,5,6,10,50,JBOD, Hot-Spare	RAID 0, 1,3,5,6,10,50,JBOD, Hot-Spare	iRAID, RAID5, RAID6
DATA PROTECTION	Real-time backup of system information	Real-time backup of system information	Video loss alarm
NETWORK PROTOCOL	RTSP / ONVIF / PSIA / iSCSI	RTSP / ONVIF / PSIA / iSCSI	RTSP, ONVIF, HKSDK
EXTERNAL DATA PORT	3×1000M Ethernet interface	4×1000M self-adaptive Ethernet interface	4×1000M Ethernet interface
MANAGEMENT PORT	1, 1000M Ethernet interface	1×100Mself-adaptive Ethernet interface	1, 1000Mbps Ethernet interface
POWER SUPPLY	Redundant	Redundant	Redundant
POWER CONSUMPTION	Working: ≤308 W (967 BTU with 16 HDDs)	Working Consumption: ≤ 507 (with HDD)	Working Consumption: ≤ 370 (with HDD)
	Rating Power Consumption: ≤550W	Rating Power Consumption: ≤800W	"Working: 5 to 40 °C (41 to 104 °F) Storing: -20 to 70 °C (-4 to 158 °F)"
TEMPERATURE	Working: 5 to 40 °C (41 to 104 °F) Storing: -40 to 55 °C (-40 to 131 °F)	Working: 5 to 40 °C (41 to 104 °F) Storing: -40 to 55 °C (-40 to 131 °F)	4U
CHASSIS	3U	4U	4U

MODEL	HX-CVRJ7824D
CONTROLLER	Double
SASINTERFACE (UPPER-LEVEL)	2(12Gbps)
SASINTERFACE (LOWER-LEVEL)	1(12Gbps)
HDDINTERFACES	24
HDD INTERFACE TYPE	SAS
HOT SWAP HDD	Support
POWER	Redundant
APPLICABLEMODELS	DS-A82024D
POWER CONSUMPTION	≤ 550 W(with max. HDD)
WORKING TEMPERATURE	Working: 5 to 40 °C (41 to 104 °F) Storing: -40 to 55 °C (-40 to 131 °F)
CHASSIS	4U

MICROSD CARD

SERIES	Surveillance MicroSD
MODEL	HX-TFL64 HX-TFL128 HX-TFL256
CAPACITY	64/128/256 GB
NAND FLASH	TLC (Triple-Level Cell)
FORM FACTOR	MicroSDHC
READ SPEED	95MB/s
WRITE SPEED	40/50/55 MB/s
OPERATING TEMPERATURE	0 °C to 70 °C (32 °F to 158 °F)
WARRANTY (YEAR)	2
SURVEILLANCE WARRANTY	Yes
PRODUCT HIGHLIGHT	High Cost Performance High Compatibility Ultra-Strong Adaptability

BALUN

MODEL	DS-1H18S/E
DESCRIPTION	Unshielded twisted pair (UTP) Baluns

KEYBOARD

MODEL	HX-DS1005KI	-	HX-DS1600KI	HX-DS1200KI	HX-DS1100KI
RS-485	No	Yes	No	Yes	Yes
USB	Yes	Yes	Yes	Yes	Yes
INTERFACE PORT	USB 2.0	RS-232, RS-422, RS-485, USB 2.0	Network,Wifi,USB 2.0×2	Network, RS-232, RS-422, RS-485,USB 2.0	Network, RS-232, RS-485,USB 2.0
CONTROL	Serial	Serial	Network,Wifi	Serial/Network	Network
AUDIO	N/A	N/A	1-ch Two-way Audio Input 1-ch Audio Output	N/A	1-ch Line In 1-ch Audio Out
DECODING	N/A	N/A	Local live view at 1080P/720P/HD1/BCIF/ CIF/QCIF resolution, and up to 16-division window display	N/A	1-ch @ 1080p
LCD SCREEN	N/A	128×64 pixel	10.1" TFT LCD Touch Screen 1024×600 pixel	128×64 pixel	7" TFT LCD touch Screen 800*480 pixel
JOYSTICK	3-Axis	4-Axis	4-Axis	4-Axis	4-Axis
RESOLUTION	N/A	N/A	N/A	N/A	1920×1080
NETWORK	N/A	N/A	10M/100M/1000M Adaptive Ethernet port	10 M/100 Mbps self-adaptive Ethernet interface	10M/100M/1000M Ethernet interface
POWER REQUIREMENTS	5 VDC via USB (≤5 W)	12 VDC (≤4.5W)	12 VDC /POE(≤15 W)	12 VDC(≤ 4.5 W)	12 VDC(≤ 15 W)

HARD DRIVES

	SURVEILLANCE GRADE HARD DRIVES	ENTERPRISE GRADE HARD DRIVES
MODEL	HX-UTP1H18SE	
INTERFACE	SATA	
CLASSIFICATION	Audio / Video	
OPERATION	24/7 Continuous	
1TB	HK-HDD1T	
2TB	HK-HDD2T	
4TB	HK-HDD4T	
6TB	HK-HDD6T	HK-HDD6T-E
8TB	HK-HDD8T	HK-HDD8T-E
10TB	HK-HDD10T	HK-HDD10T-E
12TB	HK-HDD12T	HK-HDD12T-E
14TB	HK-HDD14T	

PTZ BRACKETS

BRACKET	HX-WMPS	HX-WMPL	HX-WMPMPZ	HX-CMP	HX-PMP	HX-JBPW	HX-JBPWL	HX-CMPJB	HX-PMPJB	HX-PMPL
DESCRIPTION	Short wall mount for 4" PTZ	Wall Mount PTZ-Long	Wall Mount for DS-2DE2AXX series	Corner Mount Adapter WMP-S and WMP-L	Pole Mount Adapter WMP-S and WMP-L	PTZ Junction box with wall bracket	PTZ Junction box with wall bracket	Corner Mount for JBPW-L	Pole Mount for JBPW-L	Pole Mount Large (for JBP-W)

BRACKET	HX-CMPL	HX-CPMS	HX-CPML	HX-CPMPE	HX-PMPV	HX-RPM	HX-JBPWLG	HX-PMPJBG	HX-WBPTS
DESCRIPTION	Corner Mount Large (for JBP-W)	Ceiling Pendant Mount-Short	Ceiling Pendant Mount-Long	Ceiling Pendant Mount, extension pipe 1.5" diameter	Vertical Pole Mount for CPM-S/L	Roof Parapet Mount	PTZ Junction box with wall bracket (gray)	Pole Mount for JBPW-L-G (gray)	Wall Mount for DS-2DY9xxx Series Upright PTZs

CAMERA BRACKETS

BRACKET	HX-PC110 HX-PC110B	HX-PC110T HX-PC110TB	HX-PC120 HX-PC120B	HX-PC130 HX-PC130B	HX-PC130T HX-PC130TB	HX-PC135 HX-PC135B	HX-PC135H	HX-PC140 HX-PC140B	HX-PC140PT
DESCRIPTION	110 mm Pendant Cap	110TRS Pendant Cap	120 mm Pendant Cap	130 mm Pendant Cap	130TRL Pendant Cap	135 mm Pendant Cap	135 mm Pendant Cap	140 mm Pendant Cap	140 mm Pendant Cap for DS-2DE3304W-DE
	Compatible with WMS and WML	Compatible with WMS and WML	Compatible with WMS and WML	Compatible with WMS and WML	Compatible with WMS and WML	Compatible with WMS and WML	Compatible with WMS and WML	Compatible with WMS and WML	Compatible with WMS and WML
FOOTNOTE					*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors				

CAMERA BRACKETS

BRACKET	HX-PC155 HX-PC155B	HX-PC160	HX-PC165	HX-PC210	HX-PC6D	HX-PCDE4A	HX-PCFE	HX-PCG1
DESCRIPTION	155 mm Pendant Cap	160 mm Pendant Cap	165mm Pendant Cap	210mm Pendant Cap for DS-2D6986F-H	pendent cap for 6D52/6D82	Pendant Cap for DE4A Series PTZs	Pendant Cap for fisheye	Pendant Cap for 6D54G1
	Compatible with WML	Compatible with WML	Compatible with WML	Compatible with WML	Compatible with WML	Compatible with WML	Compatible with WML	Compatible with WML
FOOTNOTE				*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors				

STAINLESS STEEL BRACKETS

BRACKET	HX-WMPSS
DESCRIPTION	Pendant Wall Mount for DS-2DT6223-AELY

CAMERA HOUSING

BRACKET	HX-CHB	HX-CHBHB
DESCRIPTION	Camera Housing with Bracket	CHB-HB (Camera Housing w Bracket, Heater, Blower)

BOX CAMERA BRACKETS

BRACKET	HX-WBS	HX-WBL	HX-PP1	HX-PP2
DESCRIPTION	Suitable for box camera, wall Mount	Suitable for box camera and housing, wall mount	Pendant Mount extendable (80") - For Box and Fisheye 1/4 20 mount	Pendant Mount 8" - For Box and Fisheye 1/4 20 mount

UNIVERSAL BRACKET FOR PENDANT CAPS

BRACKET	HX-CPM	HX-WMS HX-WMSB	HX-WML HX-WMLB
DESCRIPTION	Camera Ceiling Pendant Mount	Short Wall Mount, junction box and Teflon tape included	Long Wall Mount, junction box and Teflon tape included

CAMERA BRACKETS

BRACKET	HX-CBXS HX-CBXSB	HX-CBS	HX-CBM HX-CBMB	HX-CBMMINI HX-CBMMINIB	HX-CB110 HX-CB110B	HX-CB120 HX-CB120B	HX-CB130	HX-CB130T HX-CB130TB	HX-CB135 HX-CB135B	HX-CB140DM4	HX-CB140PT	HX-CB155 HX-CB155B	HX-CBDE4A
DESCRIPTION	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base for DS-2DE3304W-DE	Conduit Base	Conduit Box for DE4A Series PTZs

BRACKET	HX-CB6D	HX-CBFE	HX-CBPVP	HX-1280ZJDE7	HX-AB110	HX-AB135	HX-ABFE	HX-ABFE2	HX-ABS	HX-ABM HX-ABMB	HX-1281ZJDM2	HX-CM6810
DESCRIPTION	Conduit Box for 6D52/6D82	Conduit base for Fisheye	Conduit Box for PanoVu 3-Axis	Conduit Box for Dual-lens Camera	15º Angled Base	15º Angled Base	15º Angled Base for Fisheye	15º Angled Base for Fisheye	15º Angled Base	15º Angled Base	15° Angled Base, 165mm	Ceiling mount

BRACKET	HX-RCM1	HX-RCM2	HX-RCM3	HX-RCM4	HX-RCM5	HX-RCMDE4A	HX-RCMVH	HX-WMC	HX-WMPE	HX-WM110 HX-WM110B	HX-WM6810	HX-1273ZJ160
DESCRIPTION	Recessed ceiling mount	Recessed ceiling mount	Recessed ceiling mount	Recessed ceiling mount for DS-2DE3304W-DE	Recessed ceiling mount	Recessed Ceiling Mount for DE4A Series PTZs	Recessed Ceiling Mount for DeepinView DS-2CD71xx	Wall Mount Compact	Wall Mount for Fisheye	Plastic Wall Mount	Wall Mount for iDS-2CD6810F/C	Wall Mount bracket

UNIVERSAL BRACKET FOR WALL MOUNTS

BRACKET	HX-RPM	HX-PM	HX-PM1	HX-PRB1110	HX-PRB1200	HX-PRB1310	HX-PRB2200	HX-1275ZJSUS	HX-CM	HX-CM1	HX-SRS/HX-SRSB	HX-SRSM	HX-SRSL
DESCRIPTION	Roof Parapet Mount	Pole Mount Adapter	Pole Mount Adapter	Pole Mount Adapter for Radar	Pole mount adapter for Horizontal hooping	Pole mount adapter for Vertical hooping	Pole mount adapter for Horizontal hooping installation and PTZ combo	Horizontal Pole Mount Adapter, Stainless Steel	Corner Mount Adapter	Corner Mount Adapter	Wall mount dome rain and sun protection	Medium -For outdoor dome rain and sun protection	Large -For outdoor dome rain and sun protection

Contact

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