GVD
GENIUS VISION DIGITAL

France - BNP PARIBAS Banks

Has GVD NVR M600 with Pelco Sarix and ACTi MP cameras, with pre-built modbus IO module integrated with alarm systems for 24x7-based IP video surveillance.

OCBC Bank | HELLENIC BANK | Maybank
恒生銀行 HANG SENG BANK | SHONAN | CIMB BANK

Taiwan - Taipei 101

Upgrades Taipei 101's IP video surveillance to a robust system with GVD HD NVR teamed up with Arecont Vision MP cameras

CROWNE PLAZA | HYATT | W DOHA
SHANGRI-LA | WESTIN

Hong Kong - Samsonite Stores

Get protection from GVD HD NVRs and ADT megapixel IP cameras on a 24x7 Basis.

dm | HMART | JAGUAR | ZARA
LV | BALLY | BOSS

Tunisia - Airbus Factory

Gets fully protected by the MESSOA megapixel IP cameras connected to GVD HD NVR by the world's leading manufacturer of commercial jetliners and military airlifters.

CRH | malta freeport | Heathrow

Selected Customer

AIRFRANCE | HÔTEL PLAZA ATHÉNÉE PARIS | N | H | ALEXBANK | L'OCCITANE EN PROVENCE | Dior

WiLLY:S | Pick n Pay Inspired by you | macy's | BMW | Carrefour | McDonald's | Apple Store | 7 ELEVEN

Onvif Driving network video through global standardization

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2015 - 2016 v1

A Whole New VMS IP Platform

Scalable Platforms: Better expansion and flexible systems

HD Empowerment : Better performance and advanced software

Open Platforms: Prefect integration with third-party systems

Reliable Systems : Better cost saving and secure design

Turnkey Solution : All in one system and easy installation

Total Solutions : Wider application and market leading products

GVD Total Solutions

HD Empowerment

Scalable video platforms that allow easy project scale-up through flexible add-ons.
Products with VMS Platform (300~5000ch) and CMS Platform (64~300ch) that meet your needs.

VMS Manager

E300
Manages all the interconnected servers in the video management system, with enterprise & multi-site design for large-scale platform (300~5,000 ch) and full integration with 3-party systems.

Video Wall

D300
Delivers high-quality video walls and supports dual monitors. Stacking up more D300 units can easily scale up the video walls, up to 40 monitors at the most.

Directory Server

C5002
Functions as the core component for the video management system to store the settings and logs of the entire system.

Integration Gateway

C5001
Integrates the video management system with 3-party systems for LPR, ACS, IVA, fire alarms and so on.

Mobile NVR

M1141/M1182
Comes with PoE ports and supports 4ch or 8ch license, featuring anti-vibration and 3G/WiFi/GPS data connections.

LPR NVR

M4006-LPR
Supports 16-lane detection with license of 8 Full-HD channels, featuring the accuracy, quick-search and alarm management that lead in the field.

BD5I SMR

Failover Server

X5016
Assumes the jobs of an overloaded or failed NVR in the video management system.

Backup Server

X6024
Provides the second storage of video data as an insurance copy for the video management system.

Onvif

Enterprise NVR

M6024/M6016/M6012 — 48~128ch
Robust enterprise NVRs supporting 64 / 96 / 128 channels and up to 24 / 16 / 12 HDDs.

S6024
Extended storage server for enterprise NVRs.

Giga Ethernet

Banking

Building Automation System

CMS Manager

E150
Controls multiple NVRs in a network, with enterprise and multi-site design for middle-scale project (64~300ch).

CMS Client

E90
A simplified version of CMS Manager to controls 3 NVRs or up to 64 channels.

APP Client

iPhone, iPad & Android phones/tablets
Applications for accessing the video on iPads, iPhones and Android phones/tablets.

Standalone NVR

M95/M3004/M4006/M4008 — 4~48ch
Delivers basic-to-enhanced video surveillance for small- and middle-scale projects.

POS
Featured by the NVRs to video-document each sale in your retail store.

The Best Solution for IP Surveillance

Fully Integrated Solution

Enterprise : 300 - 5,000ch	Multi Sites : 64 - 300ch	Single Site : 4 - 64ch	CCTVWall	ONVIF	LPR	Alarm	iPhone, iPad
Governments	Campus	Banking	VMS	RTSP	ATM	BAS	Android Phone/Pad
Homeland Security	Hotels	Retailing	CMS	Modbus	ACS	Fire	IE Browse
City Surveillance	Banks	Office Building, etc.	Failover	PLC	POS	PSIM	
Airports / Seaports	Retail Chain Stores		Backup		IVAS	Wireless	
Mining, etc.	Shopping Malls, etc.						

GVD Features

3 EASY
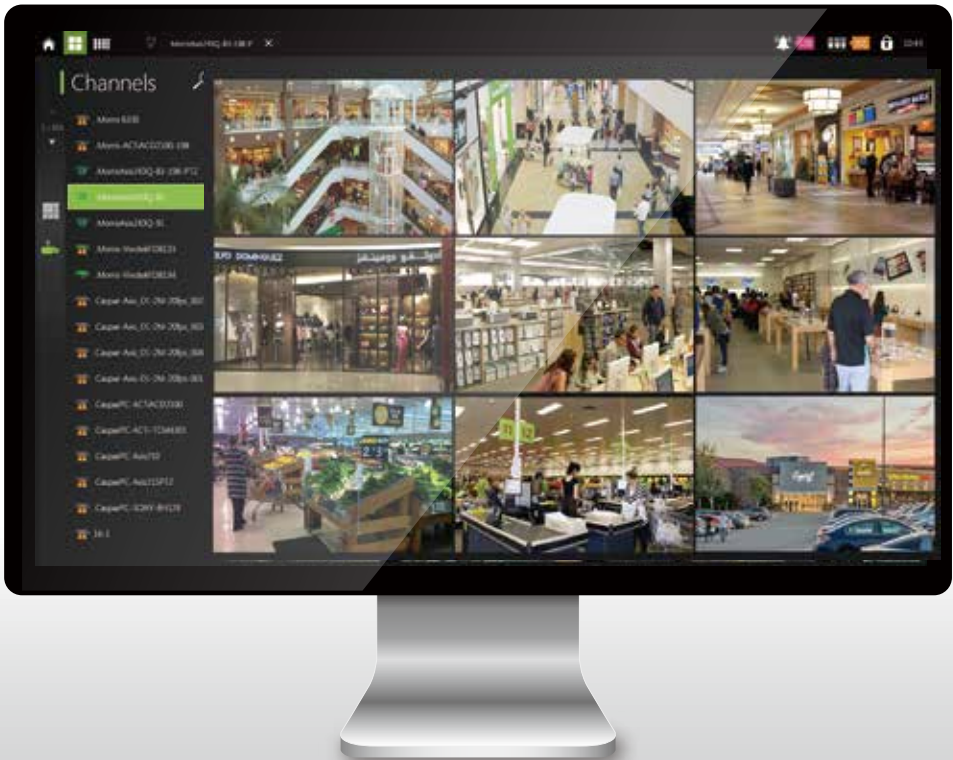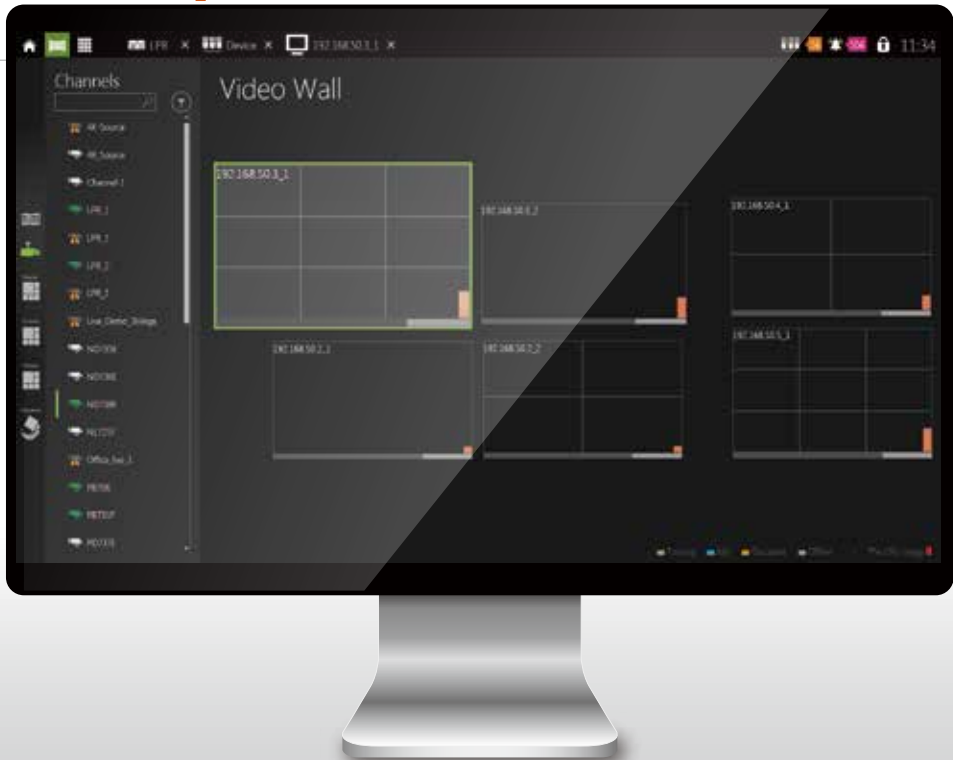
Easy Installation
- All Devices can Automatically Sign in to the System (Plug-n-play).

Easy Operation
- Intuitive GUI
- New Intelligent E-map
- Massive Cameras Tag Management
- Seamless Streaming Display
- Video Wall Synchronous Display

Easy Maintenance
- Dual Watchdog (HW/SW)
- Restore to Last Right Setting

16ch Full HD Real-time Display on Dual Monitors

GVD advanced software features MVP, ROI, Turbo Mode Plus functions to offer powerful performance video recording and display for 16ch Full HD real-time display on dual monitors.

Smooth Video with Exclusive Video Playout Control

Built-in Exclusive Video Playout Control technology that enables smooth video and limiting of video quality degradation for different situations like uniform Camera Time Stamp, Unstable Network Conditions.

Powerful Alarm Management

Alarm notification by Pop-up, E-mail, DI/DO (Modbus Support) when video loss, sensor triggered, HDD crashed, system crashed, abnormal transaction, e-fence, video motion detection, etc.

Supports Onvif Profile S & Onvif

Supports 90+ brands of IP cameras and 2000+ models.

GVD PLUS 1: GVD offers better and more flexible PTZ control than ONVIF

GVD PLUS 2: GVD advanced Motion Detection integration surpasses ONVIF

GVD PLUS 3: GVD provides Generic RTSP function so users can get video streaming even without Onvif

Product Specifications

	VMS / CMS Platform				HD NVR Enterprise			HD NVR Standalone				Mobile NVR		LPR NVR
	E300 / D300	X6024	X5016	E150	M6024	M6016	M6012	M4008	M4006	M3004	M95	M1141	M1182	M4006-LPR
Item	VMS Manager / Video Wall Decoder	Backup Server (Rackmount)	Failover Server (Rackmount)	CMS Manager	Rackmount Enterprise NVR	Rackmount Enterprise NVR	Rackmount Enterprise NVR	Super Standalone NVR (Rackmount)	Super Standalone NVR (Rackmount)	Standalone NVR	Mini Standalone NVR	Mobile NVR (Anti-Vibration)	Mobile NVR (Anti-Vibration)	LPR NVR (Rackmount)
CPU	Core i7-2600	Xeon® E3-1240	Xeon® E3-1220	Core i7-2600	Xeon® E3-1240	Xeon® E3-1220	Xeon® E3-1220	Core™ i5-2400 / Pentium G2120	Core™ i7-2600** / Core™ i5-2400	Core™ i3-3220	Celeron® G1840	Celeron® 847E	Celeron® 847E	Core™ i7-2600 / Core™ i5-2400
IP Camera License	3,000ch	128ch	128ch	1,024ch	64ch, 96ch, 128ch	64ch, 96ch	48ch, 64ch,	24ch, 32ch, 48ch, 64ch	16ch, 24ch, 32ch, 48ch	12ch***, 16ch, 24ch, 32ch	4ch, 8ch, 12ch	4ch	8ch	24/4 , 24/8 , 48/8 (IP Camera/ LPR Channel)
Local Display Resolution	D1~ 20MP 1740 fps	---	---	D1~ 20MP 2160 fps	D1~ 20MP 480 fps	D1~ 20MP 480 fps	D1~ 20MP 480 fps	D1~ 20MP 960 fps / 480 fps	D1~ 20MP 960 fps / 1080 fps	D1~ 20MP 810 fps	D1~ 20MP 270 fps	D1~ 20MP 210 fps	D1~ 20MP 210 fps	D1~ 20MP 720 fps
Recording Resolution	---	D1, 1.3~20MP	D1, 1.3~20MP	---	D1, 1.3~20MP	D1, 1.3~20MP	D1, 1.3~20MP	D1, 1.3~20MP	D1, 1.3~20MP	D1, 1.3~20MP	D1, 1.3~20MP	D1, 1.3~20MP	D1, 1.3~20MP	D1, 1.3~20MP
E-map	Mapping Cameras and NVRs (Static Map, Google Map)*	---	---	Mapping Cameras and DI/DO Points, Map Hyperlink	Mapping Cameras and DI/DO Points, Map Hyperlink	Mapping Cameras and DI/DO Points, Map Hyperlink	Mapping Cameras and DI/DO Points, Map Hyperlink	Mapping Cameras and DI/DO Points, Map Hyperlink	Mapping Cameras and DI/DO Points, Map Hyperlink	Mapping Cameras and DI/DO Points, Map Hyperlink	Mapping Cameras and DI/DO Points, Map Hyperlink	Mapping Cameras and DI/DO Points, Map Hyperlink	Mapping Cameras and DI/DO Points, Map Hyperlink	Mapping Cameras and DI/DO Points, Map Hyperlink
PTZ Control	PTZ Control, Preset Point, Patrol, Digital PTZ*	---	---	PTZ Control, Preset Point, Patrol, Digital PTZ	PTZ Control, Preset Point, Patrol, Digital PTZ	PTZ Control, Preset Point, Patrol, Digital PTZ	PTZ Control, Preset Point, Patrol, Digital PTZ	PTZ Control, Preset Point, Patrol, Digital PTZ	PTZ Control, Preset Point, Patrol, Digital PTZ	PTZ Control, Preset Point, Patrol, Digital PTZ	PTZ Control, Preset Point, Patrol, Digital PTZ	PTZ Control, Preset Point, Patrol, Digital PTZ	PTZ Control, Preset Point, Patrol, Digital PTZ	PTZ Control, Preset Point, Patrol, Digital PTZ
Viewing Operation	ROI (Region of Interest), Tour	---	---	ROI (Region of Interest), Tour	ROI (Region of Interest), Tour	ROI (Region of Interest), Tour	ROI (Region of Interest), Tour	ROI (Region of Interest), Tour	ROI (Region of Interest), Tour	ROI (Region of Interest), Tour	ROI (Region of Interest), Tour	ROI (Region of Interest), Tour	ROI (Region of Interest), Tour	ROI (Region of Interest), Tour
Synchronous Playback	---	---	---	up to 16ch	up to 16ch	up to 16ch	up to 16ch	up to 16ch	up to 16ch	up to 16ch	up to 12ch	up to 4ch	up to 8ch	up to 16ch
Video Export	Video Export via USB (Supports .avi and .ava Format)*	---	---	Video Export via USB (Supports .avi and .ava Format), Digital Watermark	Video Export via USB (Supports .avi and .ava Format), Digital Watermark	Video Export via USB (Supports .avi and .ava Format), Digital Watermark	Video Export via USB (Supports .avi and .ava Format), Digital Watermark	Video Export via USB (Supports .avi and .ava Format), Digital Watermark	Video Export via USB (Supports .avi and .ava Format), Digital Watermark	Video Export via USB (Supports .avi and .ava Format), Digital Watermark	Video Export via USB (Supports .avi and .ava Format), Digital Watermark	Video Export via USB (Supports .avi and .ava Format), Digital Watermark	Video Export via USB (Supports .avi and .ava Format), Digital Watermark	Video Export via USB (Supports .avi and .ava Format), Digital Watermark
Intelligent Video Analytics	---	---	---	Missing/ Foreign Object, E-fence, VMD, People counting	Missing Object, Foreign Object, E-fence, Video Motion Detection	Missing Object, Foreign Object, E-fence, Video Motion Detection	Missing Object, Foreign Object, E-fence, Video Motion Detection	Missing Object, Foreign Object, E-fence, Video Motion Detection	Missing Object, Foreign Object, E-fence, Video Motion Detection	Missing Object, Foreign Object, E-fence, Video Motion Detection	Missing Object, Foreign Object, E-fence, Video Motion Detection	Missing Object, Foreign Object, E-fence, Video Motion Detection	Missing Object, Foreign Object, E-fence, Video Motion Detection	License Plat Recognition from M4006-LPR
Alarm Notification	Pop-up	---	---	Pop-up, E-mail, DI/DO, Trigger Recording	Pop-up, E-mail, DI/DO, Trigger Recording	Pop-up, E-mail, DI/DO, Trigger Recording	Pop-up, E-mail, DI/DO, Trigger Recording	Pop-up, E-mail, DI/DO, Trigger Recording	Pop-up, E-mail, DI/DO, Trigger Recording	Pop-up, E-mail, DI/DO, Trigger Recording	Pop-up, E-mail, DI/DO, Trigger Recording	Pop-up, E-mail, DI/DO, Trigger Recording	Pop-up, E-mail, DI/DO, Trigger Recording	Pop-up, E-mail, DI/DO, Trigger Recording
LAN Port	Gigabit LAN (RJ45, On-board Teaming) x2	Gigabit LAN (RJ45, On-board Teaming) x2, Dedicated IPMI x1	Gigabit LAN (RJ45, On-board Teaming) x2, Dedicated IPMI x1	Gigabit LAN (RJ45, On-board Teaming) x2	Gigabit LAN (RJ45, On-board Teaming) x2, Dedicated IPMI x1	Gigabit LAN (RJ45, On-board Teaming) x2, Dedicated IPMI x1	Gigabit LAN (RJ45, On-board Teaming) x2, Dedicated IPMI x1	Gigabit LAN (RJ45) x2	Gigabit LAN (RJ45) x2	Gigabit LAN (RJ45) x2	Gigabit LAN (RJ45) x2	Gigabit LAN (RJ45) with POE (IEEE 802.3af) x 4	Gigabit LAN (RJ45) with POE (IEEE 802.3af) x 8	Gigabit LAN (RJ45) x2
Video Port	VGAx1, HDMIx1, DVI-Dx1 (Support Two Video Outputs Simultaneously)*	VGAx 1	VGAx 1	VGAx1, HDMIx1, DVI-Dx1 (Support Two Video Outputs Simultaneously)	DVI-Ix 2	DVI-Ix 2	DVI-Ix 2	VGAx1, HDMIx2 (Support Two Video Outputs Simultaneously)	VGAx1, DVI-Dx1, HDMIx1 (Support Two Video Outputs Simultaneously)	VGAx1, HDMIx2 (Support Two Video Outputs Simultaneously)	HDMI x1, Display Port x1	VGAx1, HDMIx1, DVI-Dx1 (Support Two Video Outputs Simultaneously)	VGAx1, HDMIx1, DVI-Dx1 (Support Two Video Outputs Simultaneously)	VGA x 1, HDMI x 2 (Support Two Video Outputs Simultaneously)
Hard Disk Trays (Bays)	1 pcs (SATA2)	24 pcs	16 pcs	1 pcs (SATA2)	24 pcs (Hot Swap)	16 pcs (Hot Swap)	12 pcs (Hot Swap)	8 pcs	6 pcs	4 pcs	2 pcs (2.5") or 1 pcs (3.5")	1 pcs with a Key Lock (Hot Swap)	2 pcs with a Key Lock (Hot Swap)	6 pcs
Storage Capacity	500 GB	6 TB	6 TB	500 GB	6 TB	6 TB	6 TB	6 TB	6 TB	4 TB	1 TB (2.5") or 4 TB (3.5")	1 TB (2.5" HDDx1) or 256GB (2.5" SSDx1)	2 TB (2.5" HDDx2) or 512GB (2.5" SSDx2)	6 TB
RAID Level	---	RAID 0, 1, 5, 6	RAID 0, 1, 5, 6	---	RAID 0, 1, 5, 6	RAID 0, 1, 5, 6	RAID 0, 1, 5, 6	RAID 0, 1, 5, 6 (Option)	RAID 0, 1, 5, 6 (Option)	***RAID 0, 1, 5	---	---	---	RAID 0, 1, 5, 6 (Option)
Power Voltage	100~240 Vac, 50-60 Hz	100~240 Vac, 50-60 Hz (Redundant)	100~240 Vac, 50-60 Hz (Redundant)	100~240 Vac, 50-60 Hz	100~240 Vac, 50-60 Hz (Redundant)	100~240 Vac, 50-60 Hz (Redundant)	100~240 Vac, 50-60 Hz (Redundant)	100~240 Vac, 50-60 Hz	100~240 Vac, 50-60 Hz	100~240 Vac, 50-60 Hz	100~240 Vac, 50-60 Hz	9~36Vdc (Vehicle Ignition Power Ma---gement)	9~36Vdc (Vehicle Ignition Power Ma---gement)	100~240 Vac, 50-60 Hz
Power Consumption	127W	575W	485W	127W	575W	485W	385W	127W	127W	150W	30W	20W (Without POE Consumption - Max. 15.4W x 4POE = 60.16W)	20W (Without POE Consumption - Max. 15.4Wx 8POE = 123.2W)	127W
Operation Temperature	0℃ ~ 40℃ (32°F ~ 104°F)	5℃ ~ 35℃ (41°F ~ 95°F)	5℃ ~ 35℃ (41°F ~ 95°F)	0℃ ~ 40℃ (32°F ~ 104°F)	5℃ ~ 35℃ (41°F ~ 95°F)	5℃ ~ 35℃ (41°F ~ 95°F)	10℃ ~ 35℃ (50°F ~ 95°F)	0℃ ~ 40℃ (32°F ~ 104°F)	0℃ ~ 40℃ (32°F ~ 104°F)	0℃ ~ 40℃ (32°F ~ 104°F)	0℃ ~ 35℃ (32°F ~ 95°F)	-20℃ ~ 55℃ (-4°F ~ 131°F)	-20℃ ~ 55℃ (-4°F ~ 131°F)	0℃ ~ 40℃ (32°F ~ 104°F)
Dimensions (WxHxD)	432x106x427mm	437x178x660mm	437x132x648mm	432x106x427mm	437x178x660mm	437x132x648mm	437x89x660mm	430x98x550mm	430x98x550mm	200x205x320mm	200x73x253mm	273.8x64.8x188mm	276.4x85.3x190mm	430x98x550mm
Net Weight	7.0 Kg	34 Kg	32.7 Kg	7.0 Kg	34 Kg	32.7 Kg	23.6 Kg	9.28 Kg	9.28 Kg	5.86 Kg	1.86 Kg	3.63 Kg	5.8 Kg	9.28 Kg

*D300 doesn't support E-Map, PTZ and video export.   **only for M4006-IR   ***only for M3004-IR

The specifications above are subject to change without notice