M6 Rackmount Enterprise NVR

Prebuilt 64/ 96/ 128ch IP Camera Licenses with up to 24/ 16/ 12 HDDs
Robust and Industrial-suited Design for 24 Hour Permanent Operation

- 128ch Full HD Real-time Recording (Max. 384Mb)
- Maximum Total 288 TB with 1 set of Extended Storage Server (S6024) supporting RAID 0, 1, 5, 6
- Redundancy Design with Dual LAN Ports, Redundancy Power, Backup/Failover Servers
- On-board Hardware Watchdog

GVD M6024/M6016/M6012

Rackmount Enterprise NVR

GVD M6024/M6016/M6012, rackmount enterprise NVRs, are turnkey products with Industrial-suited and redundancy design, these're reliable and suitable for large-scale projects, including governments, homeland security, city surveillance, airports, seaports, mining, offices, factories, campuses, hotels, banks, etc.. GVD M6 series are flexible to scale up projects with VMS Platform (300~5000ch) or CMS Platform (64~300ch) to suit your needs.

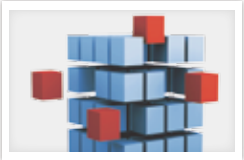
Key Feature

Support Onvif Profile S & Onvif 2.2

Supports 90+ brands of IP cameras and 2000+ models.
GVD offers better and more flexible PTZ control than ONVIF.
GVD advanced Motion Detection integration surpasses ONVIF.

Scale up Projects with VMS/CMS

GVD M6024/M6016/M6012 NVRs are suitable for VMS platform (300~5000ch) or CMS platform (64~300ch) to scale up the projects to meet your needs.



HD Empowerment

GVD unique software has advanced features such as MVP, ROI, Turbo Mode Plus, etc. that offers high performance video recording and display.

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.

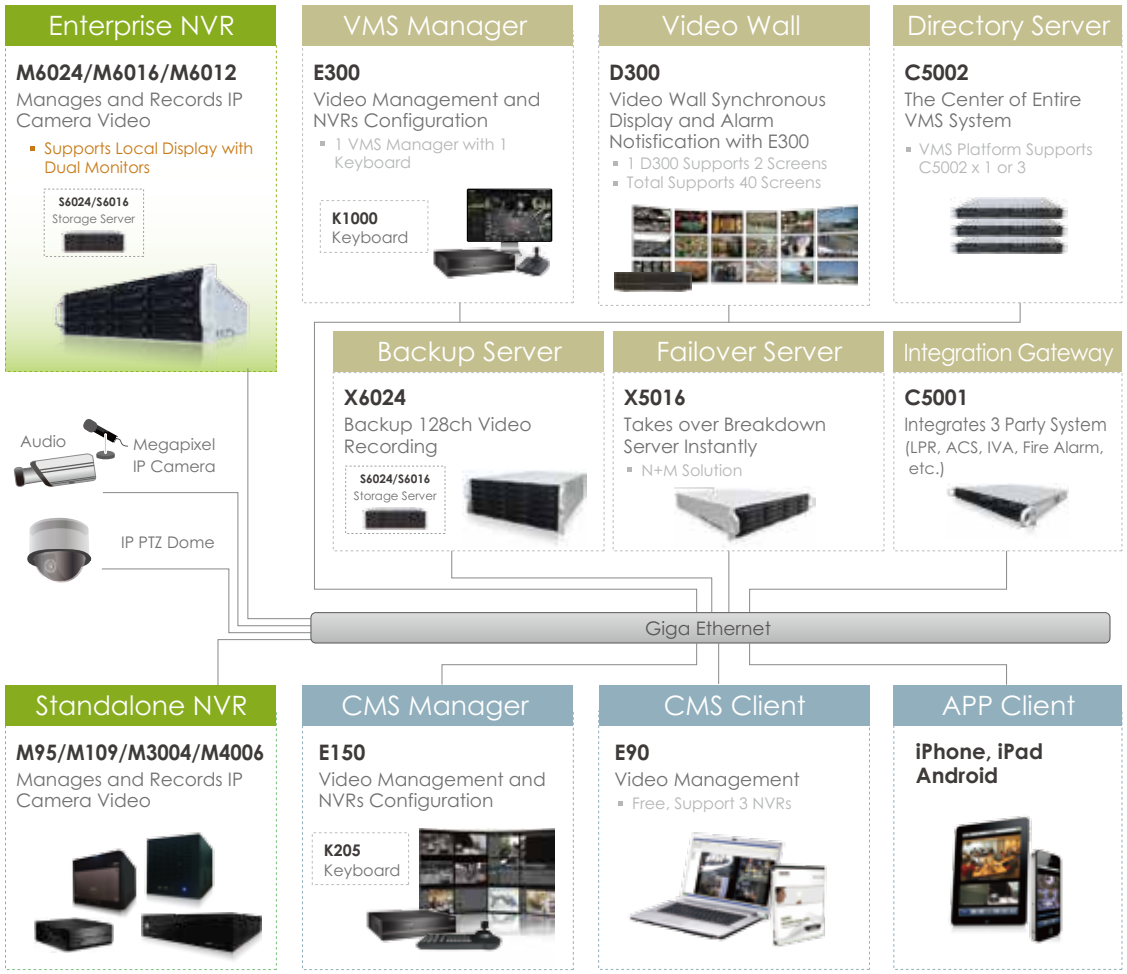
IVA Functions and POS Integration

GVD POS editor integrates with all different POS machines via GVD POS Box, that's suitable for retail chain stores. The GVD software also combines with IVA functions such as MVP, e-fences, missing object, foreign object for more analyses.

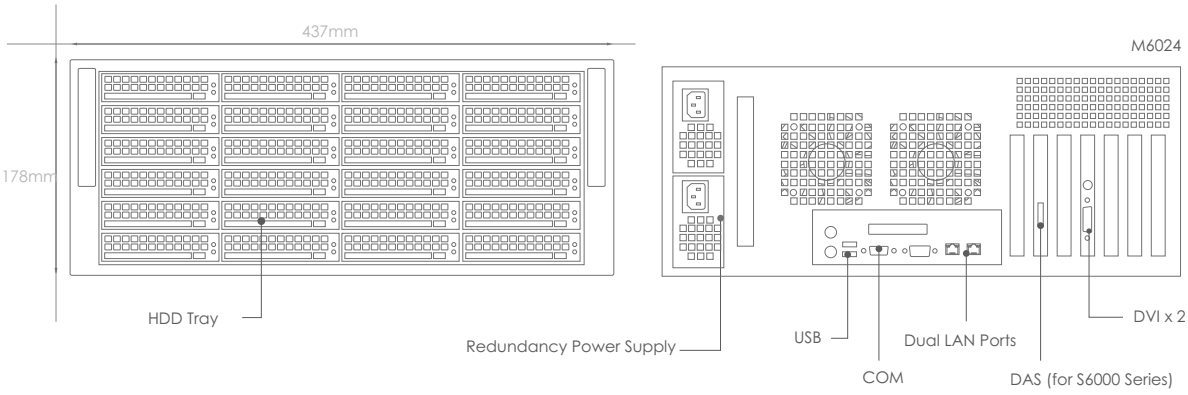
Powerful Alarm Management

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.

System Diagram



Dimensions



ONVIF Driving network video through global standardization

Specification

Product		M6024	M6016	M6012
System	Item	Rackmount Enterprise NVR		
	CPU	Intel® Xeon® E3-1240	Intel® Xeon® E3-1220 v2	Intel® Xeon® E3-1220 v2
	Memory	DDR3-1333 8G		
	Operation System (OS)	Windows 7 Embedded		
	Network Protocols	TCP/IP ,UDP, HTTP, HTTPs, SMTP,SNMPv3, DNS, DHCP, NTP, ARP, ICMP, FTPc, FTPs, DDNS, RTP (RTCP, RTSP), IGMPv3, UPnP, CIFS, NFS, IEC802.1x		
	Language	English, Spanish, French, Dutch, Italian, Japanese, Chinese, etc.		
	Watchdog	Supports Hardware Watchdog, Software Watchdog		
	System Update	Supports NVR Software Update		
	Certification	CCC / CB / CE / FCC / VCCI		
Video & Recording	IP Camera License	64ch, 96ch, 128ch	64ch, 96ch	48ch, 64ch
	Display Performance	D1@1200fps / 1.3MP@360fps / 2MP@225fps (Turbo Mode - Real Time)		
	Recording Throughput	Max.384Mb		
	Recording Resolution	D1, 1.3~20 Megapixel		
	Video Codec	H.264 High Profile, MPEG4, M-JPEG, MxPEG		
	Audio Codec	Two-Way Audio, G. 711, G.726, AAC		
	Streaming Type	Unicasting, Multicasting		
	Onvif Supports	Onvif 2.2, Profile-S		
	Recording Capacity (RAID 0, 1, 5, 6)	144 TB (24x HDDs)	96 TB (16x HDDs)	72 TB (12x HDDs)
	Extended Storage Capacity	Max. 432 TB (3x S6024)		
Software				
Setting	Configurations	Configurations of NVR, Camera, Event, Alarm, Device, DI/DO, etc.		
	User Authority	Export Video Clip, PTZ Control, Live View, Playback, Alarm Search, Configuration, Remote System Control, etc.		
	Recording Mode	Full Time Recording, Recording by Schedule, Event, Alarm, Motion Detection		
E-map	E-map	Mapping Cameras and DI/DO Points, Map Hyperlink		
PTZ	PTZ Control	PTZ Control, Preset Point, Patrol, Digital PTZ		
Live View	Display Pattern	1, 2, 3, 4, 5, 6, 8, 9, 12, 13, 16, 18, 24, 25, 36, 48, 64		
	Viewing Operation	ROI (Region of Interest), Tour		
Playback	Video Search	Time, Event, Alarm		
	Synchronous Playback	up to 16ch		
	Video Playback	Time Slider Control Panel (Forward, Backward, Speed Control, Sync. Playback)		
	Video Export	Video Export via USB (Supports .avi and .ava Format), Digital Watermark		
IVA	Intelligent Search	Missing Object, Foreign Object		
	Intelligent Video Analytics	E-fence, Video Motion Detection		
Event	Event Log	Event logs of System, Cameras, User, etc.		
Alarm	Alarm Event / Search	Video Loss, Sensor Triggered, HDD Crashed, System Crashed, Abnormal Transaction, E-fence, Video Motion Detection		
	Alarm Notification	Pop-up, E-mail, DI/DO, Trigger Recording		
	Alarm In / Alarm Out	DI/DO Control, Modbus (Master, Slave)		
Remote Client	Web Client	Support Browser IE 8.0		
	APP Client	iOS (iPhone, iPad), Android		
	VMS/CMS Client	VMS(E300), CMS(E150), Thin Client(E90 - Window XP/7/8)		
	Supports Client Numbers	16		
POS	POS License	8ch		
	POS Integration	Integration with all brands via GVD POS Editor		
	Transaction Viewing	Live Viewing with Transaction data		
	Search / Playback	Time, Item (Keyword), Price with Transaction data and Video		
	Abnormal Transaction	Alarm Rule (Item, Value), Alarm Popup, Alarm Search		
Hardware				
Network	Lan Port	Gigabit Lan (RJ45, On-board Teaming) x2, Dedicated IPMI x1		
	Ethernet	10/100/1000M Auto Negotiation		
Display	Local Display	DVI-Ix 2		
	Local Display Resolution	1920x1200		
Storage	Hard Disk Drive	SATA		
	Hard Disk Trays (Bays)	24 pcs (Hot Swap)	16 pcs (Hot Swap)	12 pcs (Hot Swap)
	Storage Capacity	6 TB		
	RAID Level	RAID 0, 1, 5, 6		
Port	USB Port	USB 2.0 Rear x2	USB 2.0 Front x2, Rear x2	USB 2.0 Rear x2
	Communication Port	RS232 (DB9) x1 - Rear I/O ; RS232(Header) x1 - Onboard I/O		
	Power Voltage	100~240 Vac, 50-60 Hz		
Power	Redundancy Power Supply	Support Redundancy Power		
	Power Consumption	575W	485W	385W
Environment	Operation Temperature	5°C ~ 35°C (41°F ~ 95°F)	5°C ~ 35°C (41°F ~ 95°F)	10°C ~ 35°C (50°F ~ 95°F)
	Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)		
	Operation Humidity	8% ~ 90% (N/An-condensing)		
	Storage Humidity	5% ~ 95% (N/An-condensing)		
Appearance	Dimensions (WxHxD)	437 x 178 x 660mm	437 x 132 x 648mm	437 x 89 x 660mm
	Net Weight	34 Kg	32.7 Kg	23.6 Kg
	Chassis	4U Rackmount Chassis with Drawer Slides	3U Rackmount Chassis with Drawer Slides	2U Rackmount Chassis with Drawer Slides
Expansion	Extended Storage	S6024 (24HDDs)		
	Keyboard	K205		
	POS Box	A0003-POS (RS-232)		

Product		S6024
System	Item	Extended Storage (DAS Server)
Storage	Hard Disk Drive	SATA
	Hard Disk Trays (Bays)	24 pcs (Hot Swap)
	Storage Capacity	6 TB
	RAID Level	Host Dependant
	Recording Capacity	144 TB (24x HDDs)
Power	Power Voltage	100~240 Vac, 50-60 Hz
	Redundancy Power Supply	Support Redundancy Power
	Power Consumption	380W
Environment	Operation Temperature	5°C ~ 35°C (41°F ~ 95°F)
	Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
	Operation Humidity	8% ~ 90% (N/An-condensing)
	Storage Humidity	5% ~ 95% (N/An-condensing)
Appearance	Dimensions	437(W)x178(H)x660(D)mm
	Net Weight	34 Kg
	Chassis	4U Rackmount Chassis with Drawer Slides

*All specifications are subject to change without notice