



Safeguarding Your Best Interests

Backup and Failover Server

X6024/X5016

**Prebuilt 128ch IP Camera Licenses with up to 24/ 16 HDDs
Redundancy Design Ensures Data Security in VMS Platform**

GVD X6024/X5016, Backup Servers and Failover Servers, ensure constant video recording and monitoring to prevent data loss. Backup Servers record 128ch full HD real-time video on each camera for double protection, and Failover Servers take over broken-down NVR instantly to prevent data loss. GVD X6024/X5016 are reliable and suitable for large scale project, including governments, homeland security, city surveillance, airports, seaports, mining, offices, factories, campuses, hotels, banks, etc..

- **128ch Full HD Real-time Recording (Max. 384 Mbps)**
- **Ensures Constant Video Recording and Monitoring**
- **Robust and Industry-suited, design with Dual LAN Ports, Redundant Power**
- **On-board Hardware Watchdog**

Key Feature

- Provides 128ch Video Recording and Viewing

GVD redundancy servers ensure 128ch Full HD Real-time Recording and monitoring to prevent data loss.

- Failover Server Takes over Breakdown Server Instantly

GVD redundancy Failover Server offers N+M (M=2) solution for high availability and disaster recovery. It takes over broken-down (Less than 45 seconds) to prevent data loss.

- Robust and Industry-suited Design

The self monitoring system with dual watchdog functions monitors the system temperature and the accurate operation of hardware and software to ensure high system continuity.



- Powerful Storage Solution to Handle Harsh Situations

GVD X6024 Backup Server is compatible with 3 sets (maximum) of GVD Extended Storage (DAS) which provides mirror video backup by schedule and event from NVR 24x7 in a real-time bases.

- Seamless Live Viewing and Playback in VMS Platform

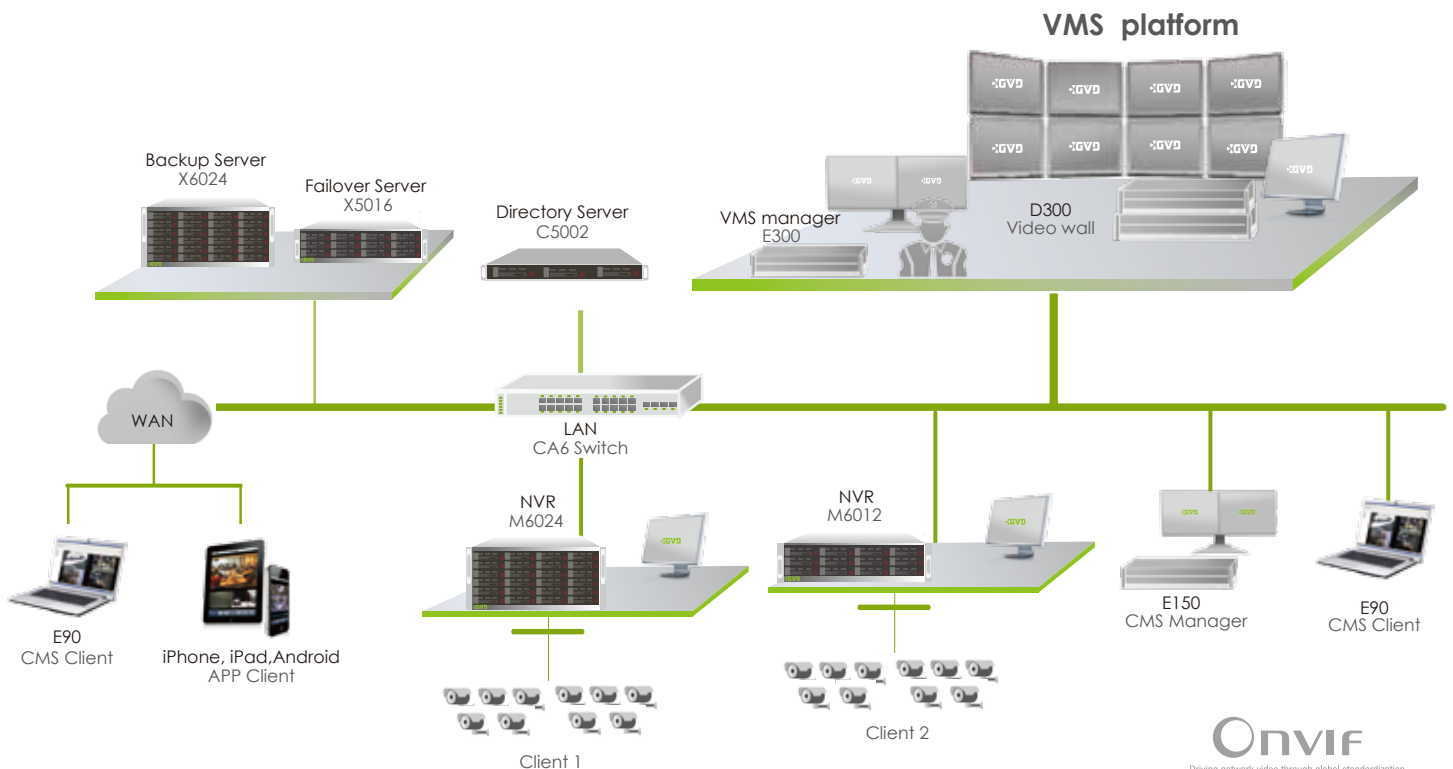
GVD redundancy servers ensure constant video recording and monitoring in VMS platform to provide seamless live viewing and playback.



- Easy Project Scale-up with Add-on Servers

GVD redundancy servers are add-on solutions which are simple, reliable and flexible to scale up projects in VMS Platform.

System Architecture



Specification

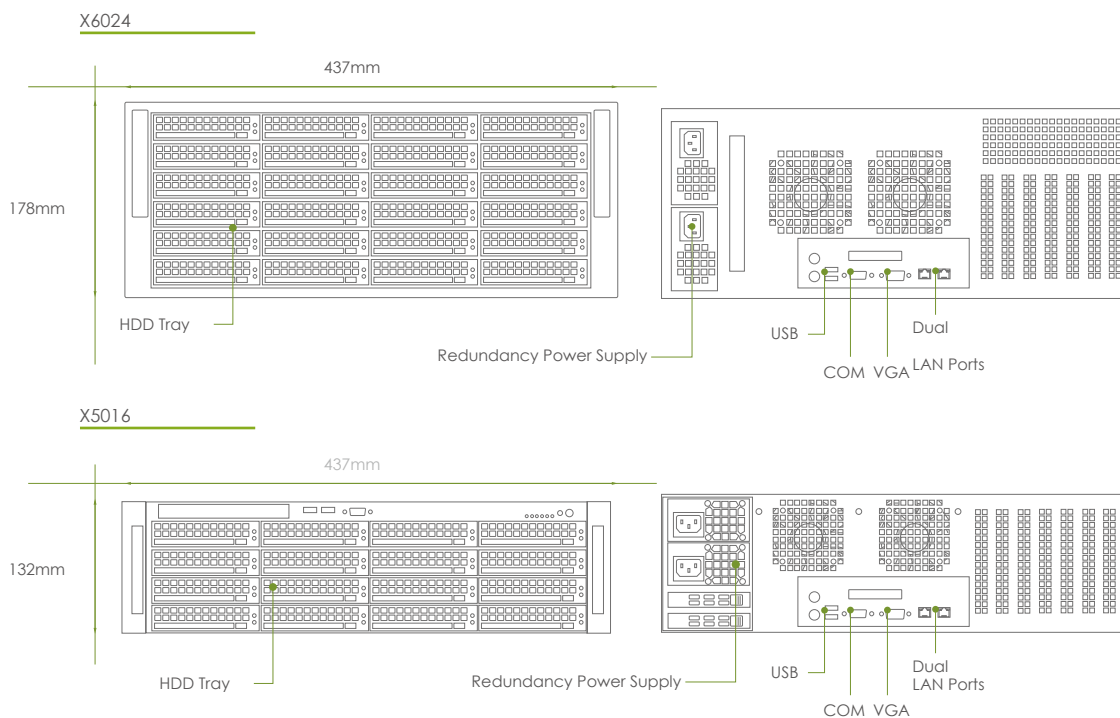


Product		X6024	X5016	
System	Item	Backup Server	Failover Server	
	CPU	Intel® Xeon® E3-1240 Processor	Intel® Xeon® E3-1220 Processor v2	
	Memory	DDR3-1333 8G		
	Operation System (OS)	Windows 7 Embedded		
	Network Protocols	TCP/IP ,UDP, HTTP, HTTPs, SMTP,SNMPv3, DNS, DHCP, NTP, ARP, ICMP, FTPc, FTPs, DDNS, RTP (RTCP, RTSP), IGMPv3, UPnP, CIFS, NFS, IEC802.1x		
	Watchdog	Supports Hardware Watchdog, Software Watchdog		
	System Update	Supports Software Update		
	Certification	CCC / CE / FCC / VCCI		
	Video & Recording	IP Camera License	128ch	
		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		96 TB (24x HDDs), RAID 0, 1, 5, 6	64 TB (16x HDDs), RAID 0, 1, 5, 6	
Extended Storage Capacity		Max. 288 TB (3x S6024)	na	

Hardware			
Network	Lan Port	Gigabit Lan (RJ45, On-board Teaming) x2, Dedicated IPMI x1	
	Ethernet	10/100/1000M Auto Negotiation	
Display	Local Display	VGA x 1	
	Local Display Resolution	1920x1200	
Storage	Hard Disk Drive	SATA	
	Hard Disk Trays (Bays)	24 pcs (Hot Swap)	16 pcs (Hot Swap)
	Storage Capacity	4 TB	
	RAID Level	RAID 0, 1, 5, 6	
Port	USB Port	USB 2.0 Rear x2	USB 2.0 Front x2, Rear x2
	Communication Port	RS232 (DB9) x1 - Rear I/O ; RS232 (Header) x1 - Onboard I/O	
Power	Power Voltage	100~240 Vac, 50-60 Hz	
	Redundancy Power Supply	Support Redundancy Power	
	Power Consumption	575W	485W
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	437(W)x132(H)x648(D)mm
	Net Weight	34 Kg	32.7 Kg
	Chassis	4U Rackmount Chassis with Drawer Slides	3U Rackmount Chassis with Drawer Slides
Expansion	Extended Storage	S6016(16HDDs), S6024(24HDDs)	na
	Keyboard	K205	

*All specifications are subject to change without notice

Dimensions



Customer Services:

Supprot: support@gvdigital.com / Sales: sales-all@gvdigital.com