



## X6024/X5016 Backup and Failover Server

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



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



## GVD X6024/X5016

### Enterprise Rackmount Redundant Servers

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..

#### Key Feature



##### Provides 128ch Video Recording and Viewing

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



##### Seamless Live Viewing and Playback in VMS Platform

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



##### Failover Server Takes over Breakdown Server Instantly

GVD Redundant 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.



##### 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.



##### Easy Project Scale-up with Add-on Servers

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



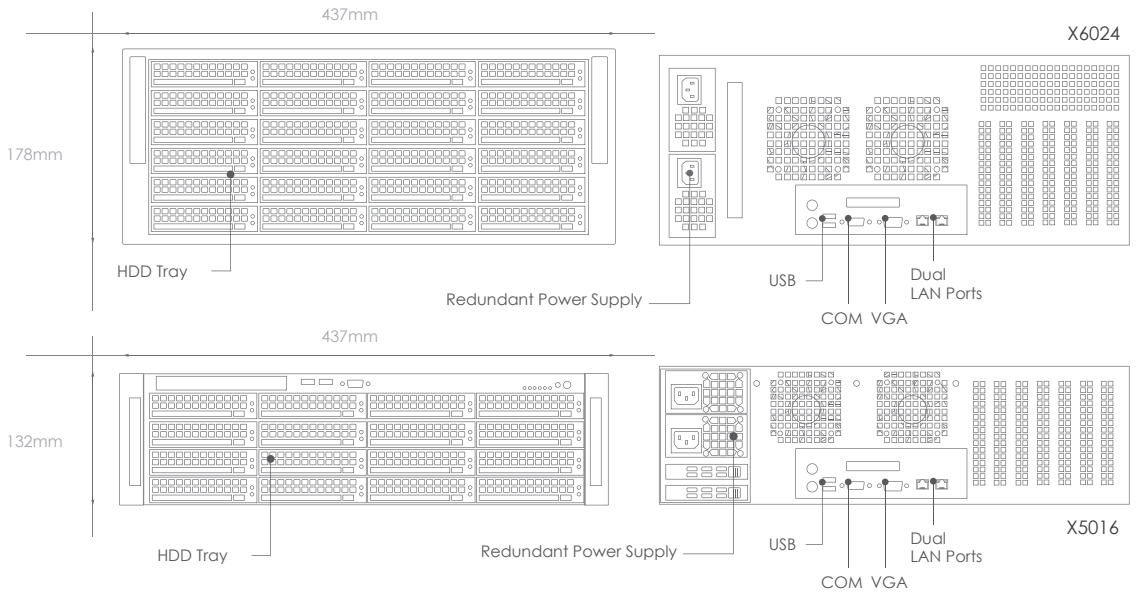
##### Robust and Industry-suited Design

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.

# System Diagram



# Dimensions



## 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		
<b>Hardware</b>				
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		
	Redundant Power Supply	Support Redundant 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