



Engineered Computer Appliance

HY Series

Superior system for large scale deployment

Ultimate video recording with smart redundancy features.

The HY Series overcomes common issues with large scale deployment using dedicated redundancy technologies. This ensures virtually zero chance of data loss as well as constant, uninterrupted recording.



- Video Storage Redundancy: equipped with RAID6 storage hardware, which can keep all videos intact even with up to two hard drive failures.
- Redundant Network & Power Supply: automatic network fail-over features to ensure that all feeds from the video network are recorded without fail, even in a power supply outage.
- Outstanding Storage Capacity: even in a multi HD camera system, recordings can be stored for up to a 185days data bank.
- Automatic daily hard disk drive health check, disk guard and recording activity for potential CCTV no recording monitoring.
- Fail-over, hot stand by server support.

Storage	Dedicated Video Storage Twenty four (24) hot swap HDDs bay for dedicated video storage support twenty four 3.5-inch SATA (6Gbps) HDDs. RAID6 configured (with dual HDDs as redundancy). Write-back cache enabled for higher performance and backed by cache memory battery backup module. (installed) One internal SSD for OS use only.	Video storage configurations 720HD@64CH, 30days: 48TB (2TBx 24unit) 720HD@58CH, 90days: 96TB (2TBx 48unit) 720HD@44CH, 180days: 144TB (3TBx 48unit) 1080HD@64CH, 30days: 72TB (3TB x 24unit) 1080HD@29CH, 90days: 96TB (2TB x 48unit) 1080HD@55CH, 180days: 360TB (3TB x 120unit) Max 5 Chassis (120 HDDs Bay) connected via HBA infinity-band
Display	Triple monitor output supported DVI* / HDMI / DP Max resolution 4096x2304 (4k, HDMI/DP) Max resolution 1920x1200 (DVI*) *Supports DVI to VGA Conversion	Live Display Performance (for HDCCTV) 1080HD 32CH (2.86Mbps) 07FPS each CH 1080HD 24CH (2.86Mbps) 12FPS each CH 720HD 64CH (1.43Mbps) 07FPS each CH 720HD 32CH (1.43Mbps) 12FPS each CH NOTE: Performance may very depend on IP cameras integration efficiency.
Hardware Platform (ECA 3.5)	Networking Dual LAN (RJ45 connector) 10/100/1000Base-T Gigabit Ethernet Fail-over redundant network (2Gbps)	Processor, memory, audio Intel Xeon E3 Quad-core 8 threads processor 8GB ECC system memory, 1600MHz DDR3 Audio line out jack, 3.5mm (Green)
	Heartbeat Programmable micro controller for system auto healing and monitoring. Digital I/O. connectable to CMS Alarm. 12-hour self sustain with in-built lithium polymer battery.	Security Key 128-bit Blowfish encryption algorithms. Paired uniquely for each machine. For system authentication, save settings and system recovery
Software Built-in (ECA3.5)	Operating system (OS) Triple Layer ECA-OS version 4.2. 64bits OS architecture. OS core engine powered by Microsoft ® Windows Embedded 7.	Video surveillance software Supported NVR: Axxon Next, LuxRiot, NUUO, Exacq Vision, MileStone, Vivotek, Axis, Geovision, AverMedia, HikVision. (*Contact us for other supported software)
	System monitoring software Guardian software watchdog for NVR, which monitors application and general system health.	Intelligent software sensors Smart Logic, video content monitoring sensors, with automatic daily hard disk drive health check, disk guard, disk activity monitoring for potential CCTV no recording activity, and network traffic in/out activity monitoring.
Electrical & Dimension	Power consumption Line voltage: 240V AC Frequency: 50Hz, single phase Power outputs: 920W (max) Continuous power consumption: 385W Type: Dual hot swap load balanced redundant PSU.	Size & weight Depth: 660mm Width: 437mm Height: 178mm Approx. Weight: 60kg Form factor: 4U rack mount 
Service & Warranty	3* years international phone support 3* years extended hardware warranty 3* years carry-in next business day parts replacement * with optional TrueBlue™ Care Support Pack (Default system warranty is with 1 year only) Purchase the TrueBlue™ Support Pack to extend your warranty to three years and TrueBlue™ Professional for “machine failed” onsite support from your purchase date. Carry-in support centre at TrueBlue CC@IOI Boulevard, Puchong, Selangor D.E. Malaysia.	
Models & Configurations	NNN-HYAADDMM-PPTB24HB Example: AXN-EX0055SM-48TB09HS Axxon NVR Software, HY Series, 0CH analog, 55CH IPCCTV, configured in server mode, and 48TB HDDs with 24 hot swap bay.	NNN : video surveillance software code AA : no of channel for analog inputs from dvr card DD : no of channel for IP based CCTV license MM : mode. (SC) server client with live display. (SM) server mode for video processing only without live display. PP : factory pre-built video storage HDDs (xxTB)