NVR5408/5412/5416E1

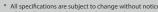
Enterprise Megapixel RAID NVR

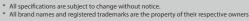


- Maximum 64 CH Megapixel Recording (Up to 5MP or Above)#
- Up to 384Mbps Recording Throughput
- Support 8/12/16-bay Hot-Swappable SATA Hard Disk
- iSCSI and SAS JBOD Storage Expansion (Optional)
- NVR5408/5412 Support 14x 2U 12-bay JBOD (total 180HDDs) or 5x 4U 60bay JBOD (total 312HDDs) (Optional)
- NVR5416 Support 14x 3U 16-bay JBOD (total 240HDDs) or 5x 4U 60bay JBOD (total 316HDDs) (Optional)
- Enterprise Hardware RAID Function for Data Protection
- Built-in Enterprise VMS & Real-Time Video Intelligence
- Support Web-based System Maintenance Tool (SurveOne)
- Scalable Client-Server Architecture

Software Specifications

	•		
Live View	Real-time network camera discovery Versatile views of various screen divisions Multiple views supported View patrolling for single or multiple views Real time video/event alarm monitoring Support 3 installation modes and 5 different fisheye dewarp display modes Support live audio	Rule Manager Remote	Conditional recording/alert/notification Email, FTP, SMS, popup window, PTZ,VI Panel, Relay output notifications Sound, alarm, round-the-clock alerts Support email template Remote operation & management via VMS Client
		Management	Remote management and control via SCC & SCC Client
eMAP	Drag-n-drop camera manipulation Hierarchical and multiple layer map structure Real time event alert Instant live video of camera	Remote Client	Web Client • iPhone client • Android Client
		3rd Party IPCAM	ACTi, Arecont Vision, Axis, Dahua, Dynacolor, Hikvision, IQinvision, Mobotix, Panasonic, and more
PTZ	Pan, tilt, and zoom operations (depends on camera) Built-in PTZ control panel Preset position (depends on camera)	Storage Expansion	Built-in RAID storage management Recording to iSCSI/NAS Backup to iSCSI/NAS
	Event-driven camera patrolling Support OnScreen PTZ	• Dig	Video privacy mask Digital zoom in, zoom out Client auto login Automatic storage recycling Client-server architecture Customized authority account management Digital watermark proofing Support DDNS function Support time synchronization with NTP server Provide System and VI setup Help assistance Support Customized Event management and log mechanism Auto port mapping for internet connection Support batch setting IPCAM parameters Support Health Check function Support standby recording (Failover) Support offline recording with Surveon cameras Support APC SMART-UPS
I/O	Digital I/O management Support Ethernet Digital I/O Controller		
Multiple Displays	Supports live view, playback, eMap functions (depends on product)		
Investigation	Search by date, time, and camera Search by VI event combinations Search over multiple days Search over multiple cameras Different colored recording indicator on calendar Search via built-in VI analyzer Intuitive, video thumbnail search results Cue-in, cue-out and loop playback Quick playback by video thumbnails 1/8, 1/4, 1/2, 1x, 2x, 4x, 8x play, pause, stop AVI-formatted video clip export Up to 16 channel synchronized playback (depends		
	on product) • Support 3 installation modes and 5 different fisheye dewarp playback display modes	Language	Support multiple language on VMS including English, Czech, Dutch, French, German, Italian, Japanese, Korean, Persian, Polski, Portuguese, Russian, Slovak,
Video Intelligence Recording Policy	Yes - Supports up to 64 channels megapixel recording		Spanish, Turkish, Simplified Chinese, Traditional Chinese
necording Folley	(depends on product) Continuous recording Event-driven recording along with rules Scheduled recording on daily or weekday basis	Supported Protocols	IPv4, TCP, UDP, DHCP, NTP, DDNS, SMTP, SNMP, FTP, HTTP, UPnP, RTSP, iSCSI





• Post alarm recording 1-300 seconds • Pre-alarm recording 1-300 seconds • Support individual schedule recording



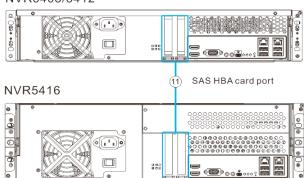
[#]Under maximum recording mode with 16GB memory size

NVR5408/5412/5416E1

Enterprise Megapixel RAID NVR

Rear-view

NVR5408/5412



(8) (6) (4)(3) (10)(9) 1x 1 Gb/s Ethernet 1x 1 Gb/s Ethernet (WOL) 2 x USB 3.0 2 x USB 2.0 1x Reset to default button 3x Status LED 1x miniUSB (Debug only) 1x 3.5 mm microphone and headphone jack 1x D-Sub VGA (Res: 1920 x1080@60Hz) 2x HDMI (Res: 1920 x1080@60Hz)

Hardware Specifications

NVR5400 Series				
System Processor	Intel® Core i3 Dual Core 3.5GHz			
System Memory	DDR3 8GB (up to 32GB)			
Operating System	2.5" HDD with Linux Embedded System			
Storage	8/12/16 x 3.5" SATAII/SATAIII hard disk drives			
I/O Interface	 RJ-45 Gigabit Ethernet x 2 USB 2.0 x 2 (rear) USB 3.0 x 2 (rear) VGA x 1, HDMI x 2 (Only support single monitor at the same time) Mic. In port x1 Speaker out port x 1 			
RAID	0, 1, 5, 6, 10, 50, 60, 1+Spare, 5+Spare, 6+Spare			
Electrical	Single PSU (500 watts)			
Operating Environment	• Humidity: 5% to 80% (non-condensing) • Temperature: 5° to 40°C			
LED Indicator	Yes			
Dimensions	NVR5408E1: 2U 19-inch rackmount with chassis ears: (H)88.00mm x (W)447.40mm x (L)524.41mm NVR5412E1: 2U 19-inch rackmount with chassis ears: (H)88.00mm x (W)447.40mm x (L)524.41mm NVR5416E1: 3U 19-inch rackmount with chassis ears: (H)130.00mm x (W)447.40mm x (L)524.20mm			
Weight	NVR5408E1: 13.60kg/ 29.98lbs (without HDDs, without rackmount slide rail) NVR5412E1: 13.60kg/ 29.98lbs (without HDDs) NVR5416E1: 21.54kg/ 47.49lbs (without HDDs)			
Certification	FCC/CE Class A			
Warranty	3 years			

Ordering Information

Model name	Description
NVR5408E1-16	16 CH, 8 Bay Megapixel H/W RAID NVR
NVR5408E1-24	24 CH, 8 Bay Megapixel H/W RAID NVR
NVR5408E1-32	32 CH, 8 Bay Megapixel H/W RAID NVR
NVR5412E1-16	16 CH, 12 Bay Megapixel H/W RAID NVR
NVR5412E1-24	24 CH, 12 Bay Megapixel H/W RAID NVR
NVR5412E1-32	32 CH, 12 Bay Megapixel H/W RAID NVR
NVR5412E1-48	48 CH, 12 Bay Megapixel H/W RAID NVR
NVR5412E1-64	64 CH, 12 Bay Megapixel H/W RAID NVR
NVR5416E1-16	16 CH, 16 Bay Megapixel H/W RAID NVR
NVR5416E1-24	24 CH, 16 Bay Megapixel H/W RAID NVR
NVR5416E1-32	32 CH, 16 Bay Megapixel H/W RAID NVR
NVR5416E1-48	48 CH, 16 Bay Megapixel H/W RAID NVR
NVR5416E1-64	64 CH, 16 Bay Megapixel H/W RAID NVR

SurveOne Specifications

Browser-Based System Status Monitoring					
System Monitoring	NVR/camera system status overview NVR device/network/storage real-time status monitoring Camera real-time status monitoring				
Configurations	Easy NVR/camera configuration copy Easy NVR/camera configuration backup/restore Easy camera firmware online upgrade Easy multiple cameras batch setting				
Event Log	NVR/camera real-time event log information Critical error/error/warning multi-level event				

Optional Accessories

Part Number	Description
BH1LSS210-0010	SAS JBOD External Card for NVR54xx series
ZJOYSTICK-0050	CH Products, IP Desktop USB Joystick. 3 axes joysticks for P/T control, 12 HID buttons, USB 1.1 HID compliant, Easy to use and operate.
ZETHIOBOX-0030	Ethernet I/O Box, Ethernet Digital I/O Controller, Digital Input x6, Digital Output x3 (for VMS 2.4.8)
ZPOE08-0030	8 Port 10/100Mbps 120W PoE Switch
ZPOE26-0030	24 Port 10/100Mbps + 2 Port GBE Combo (UTP/ SFP) 380W PoE Switch
HELH72A3200-00301	Hitachi, Enterprise, 2TB SATA HDD, 6Gb/s
HELH72A3400-00301	Hitachi, Enterprise, 4TB SATA HDD, 6Gb/s
HELH72A3600-00301	HGST Enterprise 3.5" SATA 6Gb/s HDD, 6TB, 7200RPM
HELH72A3800-00301	HGST Enterprise 3.5" SATA 6Gb/s HDD, 8TB, 7200RPM
HSLS72A3600-00301	Seagate Surveillance 3.5" SATA 6Gb/s HDD, 6TB
HSLS72A3800-00301	Seagate Surveillance 3.5" SATA 6Gb/s HDD, 8TB



* All specifications are subject to change without notice.
* All brand names and registered trademarks are the property of their respective owners

classifications

