NVR5412/5416

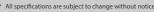
Enterprise Megapixel RAID NVR

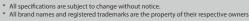


- Maximum 96 CH Megapixel Recording (Up to 5MP or Above)
- Support 12/16-bay Hot-Swappable SATA Hard Disk
- SAS JBOD and iSCSI Storage Expansion
- NVR5412 Support 14x 2U 12-bay JBOD (total 180HDDs) or 5x 4U 60bay JBOD (total 312HDDs)
- NVR5416 Support 14x 3U 16-bay JBOD (total 240HDDs) or 5x 4U 60bay JBOD (total 316HDDs)
- 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	Recording Policy	Supports up to 96 channels megapixel recording (depends on product) Continuous recording Event-driven recording along with rules Scheduled recording on daily or weekday basis Post alarm recording 1-300 seconds Pre-alarm recording 1-300 seconds Support individual schedule recording
eMAP	Drag-n-drop camera manipulation Hierarchical and multiple layer map structure Real time event alert Instant live video of camera	Rule Manager	Conditional recording/alert/notification Email, FTP, SMS, popup window, PTZ,VI Panel, Relay output notifications Sound, alarm, round-the-clock alerts Support email template
PTZ	 Pan, tilt, and zoom operations (depends on camera) Built-in PTZ control panel Preset position (depends on camera) Event-driven camera patrolling 	Remote Management	Remote operation & management via VMS Client Remote management and control via SCC & SCC Client
	Support OnScreen PTZ	Remote Client	Web Client • iPhone client • Android Client
I/O	Digital I/O management Support Ethernet Digital I/O Controller	3rd Party IPCAM	ACTi, Arecont Vision, Axis, Dahua, Dynacolor, Hikvision, IQinvision, Mobotix, Panasonic, and more
Multiple Displays	Supports live view, playback, eMap functions (depends on product)	Storage Expansion	Built-in RAID storage management Recording to iSCSI/NAS
Video Intelligence	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 Yes	General & Misc.	Backup to iSCSI/NAS Video privacy mask Digital zoom in, zoom out Log viewer, log export mechanism 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
		Language	Support multiple language on VMS including English, Czech, Dutch, French, German, Italian, Japanese, Korean, Persian, Polski, Portuguese, Russian, Slovak, Spanish, Turkish, Simplified Chinese, Traditional Chinese
		Supported Protocols	IPv4, TCP, UDP, DHCP, NTP, DDNS, SMTP, SNMP, FTP, HTTP, UPnP, RTSP, iSCSI



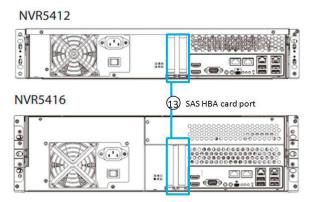




NVR5412/5416

Enterprise Megapixel RAID NVR

Rear-view



3 2 1 | 3 2 1 | | 3 2 1 | | 4 2 | | 5 3 | | 6 4 | | 1 | 1x 1 Gb/s Ethernet | | 2 | 1x 1 Gb/s Ethernet (WOL) | | 3 | 2x 1 Gb/s Ethernet | | 4 | 2x USB 3.0 | | 5 | 2x USB 2.0 | | 6 | 1x Reset to default button | | 7 | 3x Status LED | | 8 | 1x miniUSB (Debug only) | | 9 | 1x 3.5 mm microphone and headphone jack | | 10 | 1x D-Sub VGA (Res: 1920 x1080@60Hz) | | 11 | 2x HDMI (Res: 1920 x1080@60Hz) |

Hardware Specifications

NVR5400 Series				
System Processor	Intel® Core i3 Dual Core 3.5GHz Intel® Xeon E3 Quad Core 3.2GHz			
System Memory	DDR3 16GB (up to 32GB)			
Operating System	2.5" HDD with Linux Embedded System			
Storage	12/16 x 3.5" SATAII/SATAIII hard disk drives			
I/O Interface	 RJ-45 Gigabit Ethernet x 4 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	1, 5, 6, 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	NVR5412: 2U 19-inch rackmount with chassis ears: (H)88.00mm x (W)447.40mm x (L)524.41mm NVR5416: 3U 19-inch rackmount with chassis ears: (H)130.00mm x (W)447.40mm x (L)524.20mm			
Weight	• NVR5412: 13.60kg/ 29.98lbs (without HDDs) • NVR5416: 21.54kg/ 47.49lbs (without HDDs)			
Certification	FCC/CE Class A			
Warranty	3 years			

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 classifications			

Ordering Information

Model name	Description
NVR5412/5416A1-16	16 CH, 12/16 Bay Megapixel H/W RAID NVR
NVR5412/5416A1-24	24 CH, 12/16 Bay Megapixel H/W RAID NVR
NVR5412/5416A1-32	32 CH, 12/16 Bay Megapixel H/W RAID NVR
NVR5412/5416A1-48	48 CH, 12/16 Bay Megapixel H/W RAID NVR
NVR5412/5416A1-64	64 CH, 12/16 Bay Megapixel H/W RAID NVR
NVR5412/5416A1-96	96 CH, 12/16 Bay Megapixel H/W RAID NVR
NVR5412/5416E1-16	16 CH, 12/16 Bay Megapixel H/W RAID NVR
NVR5412/5416E1-24	24 CH, 12/16 Bay Megapixel H/W RAID NVR
NVR5412/5416E1-32	32 CH, 12/16 Bay Megapixel H/W RAID NVR
NVR5412/5416E1-48	48 CH, 12/16 Bay Megapixel H/W RAID NVR
NVR5412/5416E1-64	64 CH, 12/16 Bay Megapixel H/W RAID NVR

Optional Accessories

Part Number	Description
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
H72A1XA3XXX-0030	Hitachi, Enterprise, 2TB SATA HDD, 6Gb/s
H72A2XA2XXX-0030	Hitachi, Enterprise, 3TB SATA HDD, 6Gb/s
H72A3XA3XX1-0030	Hitachi, Enterprise, 4TB SATA HDD, 6Gb/s
HSLT72A3200-00301	Toshiba, Desktop, 2TB Surveillance SATA HDD, 6Gb/s
HSLT72A3300-00301	Toshiba, Desktop, 3TB Surveillance SATA HDD, 6Gb/s
HSLT72A3400-00301	Toshiba, Desktop, 4TB Surveillance SATA HDD, 6Gb/s

