SMR2110

4-32CH Megapixel RAID NVR

- Support 4-32 CH Megapixel Recording (Up to 5MP or Above)
- Support 2-Bay Hot-Swappable SATA Hard Disk
- Support RAID 1 for Data Protection
- Built-in Real-time Video Intelligence Detection
- Built-in Local Display
- Support Surveon Control Center (CMS)
- Compact Size & Low Power Consumption
- In-house Design & Production
- 3-Year Warranty

Network Video Recorder

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
eMAP	• Drag-n-drop camera manipulation • Hierarchical and multiple layer map structure • Real time event alert • Instant live video of camera
PTZ	• Pan, tilt, and zoom operations (depends on camera) • Built-in PTZ control panel • Preset position (depends on camera) • Event-driven camera patrolling • Support On Screen PTZ
I/O	• Digital I/O management • Support Ethernet Digital I/O Controller
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
Video Intelligence	Yes
Recording Policy	• Supports up to 32 channels megapixel recording (depends on product) • Continuous recording • Event-driven recording along with rules • Scheduled recording on daily or weekday basis

Recording Policy	• Post alarm recording 1-300 seconds • Pre-alarm recording 1-300 seconds • Support individual schedule recording
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
Remote Management	• Remote operation & management via VMS Client • Remote management and control via SCC & SCC Client
Remote Client	• Web Client • iPhone client • Android Client
3rd Party IPCAM	• ACTi, Arecont Vision, Axis, Dahua, Dynacolor, Hikvision, IQinvision, Mobotix, Panasonic, and more
Storage Expansion	• Built-in RAID storage management • Recording to iSCSI/NAS • Backup to iSCSI/NAS
General & Misc	• 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 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

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

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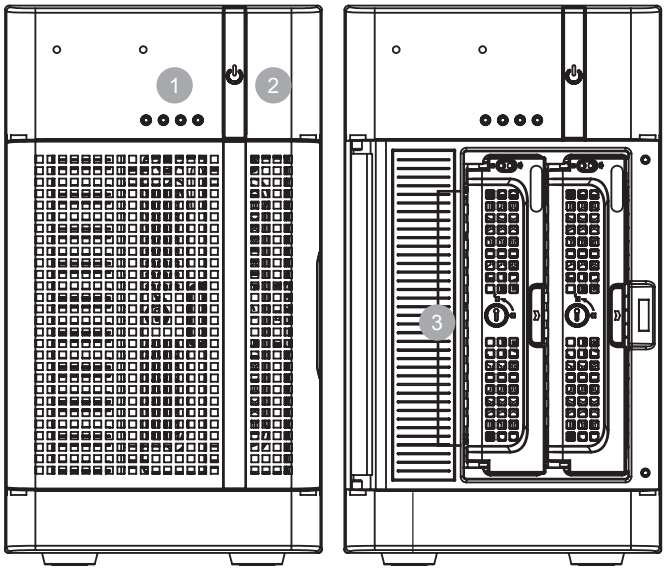
Network Video Recorder

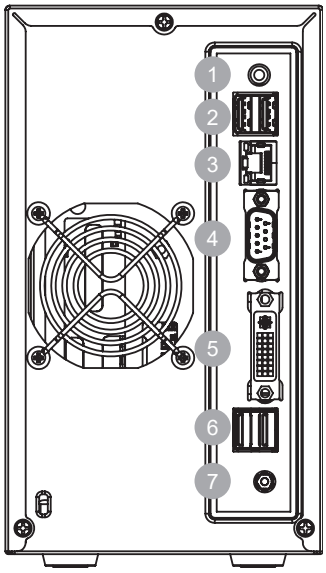
Functions

Front View



1 LED Indicators
2 Power Switch
3 Hot Swappable HD Tray

Rear View



1 Audio
2 USB x 2
3 Ethernet
4 Serial Port
5 DVI - I
6 USB x 2
7 12V DC In

Hardware Specifications

System Processor	Intel®Celeron Quad Core
System Memory	DDR3L 4GB x1
Operating System	Linux Embedded System
Storage	• 3.5" SATA HDDs x2; • HDD hot swappable with LED status indicator
I/O Interface	• VGA: DVI-I x1 • RJ-45: Gigabit Ethernet x1 • USB: USB 3.0 x1, USB 2.0 x3 • Serial: x1 (support RS232/422/485) • Audio: x1 • DC-input: x1 (12V DC-in JACK)
RAID	Non-RAID, RAID 1
Electrical	• Input Voltage: 12V / 4A • Power Consumption (in operation): 48W
Operating Environment	• Humidity: 5% to 80% (non-condensing) • Temperature: 5° to 40°C
LED Indicator	Yes
Dimensions	190(H) x 110(W) x 245(D) mm
Weight	3 Kg (w/o Hard Disk)
Certification	CE, FCC
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
Event Log	• NVR/camera real-time event log information • Critical error/error/warning multi-level event classifications

Ordering Information

Model Name	Description
SMR2110P-4-xx30	4CH, 2 Bay Hot-Swappable, Megapixel RAID NVR
SMR2110P-9-xx30	9CH, 2 Bay Hot-Swappable, Megapixel RAID NVR
SMR2110P-16-xx30	16CH, 2 Bay Hot-Swappable, Megapixel RAID NVR
SMR2110P-24-xx30	24CH, 2 Bay Hot-Swappable, Megapixel RAID NVR
SMR2110P-32-xx30	32CH, 2 Bay Hot-Swappable, Megapixel 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
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

* Hard disk drives (HDD) are purchased separately. When selecting HDDs, HDD manufacturers always urge users to choose enterprise/surveillance grade drives for 24/7 surveillance operations to ensure system stability. The surveillance hard drives on our Approved Vendor List (AVL) are engineered to work continuously, withstand high-temperature fluctuations and equipment vibrations found in any typical surveillance application. To reduce errors occurred on your RAID data and the chance of the recording performance being affected, it is highly recommended to use HDDs listed on our Approved Vendor List (AVL) to ensure reliability. Find the AVL on our web page: http://www.surveon.com/support/hardware.asp