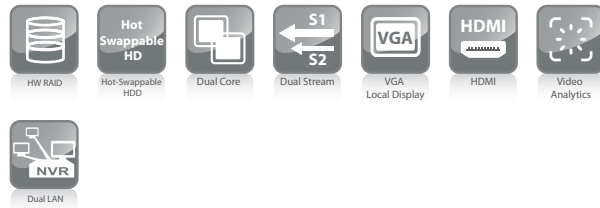


SMR8048U

48CH Megapixel H/W RAID NVR



- 48 CH Smart Megapixel Video Recorder
- 640Mbps Recording Performance
- Enterprise class RAID-5 system for Highest Data Protection
- 8x Hot-Swappable Hard Disk
- 16 CH Real-time VI Detection
- 1080P Full-HD HW Decoding Engine
- Built-in D-Sub/HDMI for VGA Local Display
- In-House Design & Production
- 3-Year Warranty



VMS Specifications

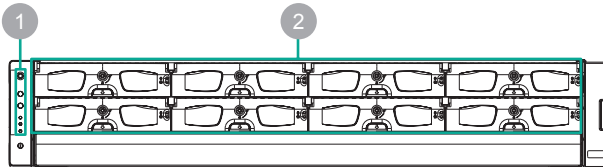
Live View	<ul style="list-style-type: none"> • Real-time network camera discovery • Versatile views of various screen divisions • HTML and image overlays • Multiple views supported • View patrolling for single or multiple views • Real time video/event alarm display • Instant playback • Video clip bookmarking 	Video Intelligence	<ul style="list-style-type: none"> • Tampering detection • Virtual fence • Object counting 																									
eMAP	<ul style="list-style-type: none"> • Drag-n-drop camera manipulation • Directional camera display • Hierarchical map structure • Real time event alert • Instant live video of camera • Multiple maps supported 	Remote Management	Full functional operation & management via standalone VMS Client																									
PTZ	<ul style="list-style-type: none"> • Pan, tilt, zoom operations (dependent of camera) • Built-in, floating PTZ control panel • Preset position (dependent of camera) • Scheduled or continuous camera patrolling • Event-driven camera patrolling • On Screen PTZ control 	Remote Client	<ul style="list-style-type: none"> • Web Client • iPhone Client 																									
Multiple Displays	<ul style="list-style-type: none"> • Up to 8 monitors • Supports live view, playback, eMap functions • Direct display to secondary monitor(s) 	3rd Party IPCAM	ACTi, Arecont Vision, Asoni, AVTECH, AXIS, Bosch, Dahua, HIKVISION, IQinVision, Lilin, MOBOTIX, Panasonic, SAMSUNG, SONY, VIVOTEK																									
Investigation	<ul style="list-style-type: none"> • Search by date, time, camera • Search by pre-defined recent time • Search by VI event combinations • Search over multiple days • Search over multiple cameras • Video clip bookmarking and commenting • Search via built-in VI analyzer • Customizable bookmark • Intuitive, video thumbnail search results • Cue-in, cue-out and repeat • Quick playback by video thumbnail • 1/8, 1/4, 1/2, 1x, 2x, 4x, 8x play, pause, stop • AVI-formated video clip export • 4-channel synchronized playback 	General & Misc	<ul style="list-style-type: none"> • Video codec: H.264, MPEG4, MJPEG • Image enhancement • Video privacy mask • Digital zoom in, zoom out • Log viewer • Windows lockup • Client auto login • Digital I/O management • Automatic storage recycling • Client-server architecture • Guaranteed performance of long period recording • Customizable appearance of Surveon logo • Configurable video retention period • Digital watermark proofing • Language supported: English, French, German, Portuguese, Spanish, Simple Chinese, Traditional Chinese, Italian, Japanese, Russian, Slovak, Czech, Dutch and Polish • Support DDNS Function • Support CH Products USB joystick • Support ethernet I/O device* • Support NTP Server synchronized* 																									
Instant Playback	<ul style="list-style-type: none"> • Supported in video alarm, event alarm, view functions • Pre-defined playback durations • Video clip bookmarking 	* Available soon																										
Video Intelligence	<ul style="list-style-type: none"> • General motion detection • Missing object detection • Foreign object detection • Intrusion detection • Forbidden area detection 	Performance Table																										
		<table border="1"> <thead> <tr> <th>Encoding</th> <th>Res.</th> <th>FPS</th> <th>Bit Rate</th> <th>Validation</th> </tr> </thead> <tbody> <tr> <td>H.264</td> <td>D1</td> <td>30</td> <td>2</td> <td>Pass</td> </tr> <tr> <td>H.264</td> <td>1.3M</td> <td>15</td> <td>2</td> <td>Pass</td> </tr> <tr> <td>H.264</td> <td>2M</td> <td>15</td> <td>4</td> <td>Pass</td> </tr> <tr> <td>H.264</td> <td>3M</td> <td>10</td> <td>4</td> <td>Pass</td> </tr> </tbody> </table>	Encoding	Res.	FPS	Bit Rate	Validation	H.264	D1	30	2	Pass	H.264	1.3M	15	2	Pass	H.264	2M	15	4	Pass	H.264	3M	10	4	Pass	
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H.264	3M	10	4	Pass																								
		<ul style="list-style-type: none"> • Burn-In Test condition (14 days, Round-The-Clock) • IP Cameras using dual streaming capability • Total 16 VI detection filters are active (motion detection, missing object and intrusion detection) 																										

SMR8048U

48CH Megapixel H/W RAID NVR

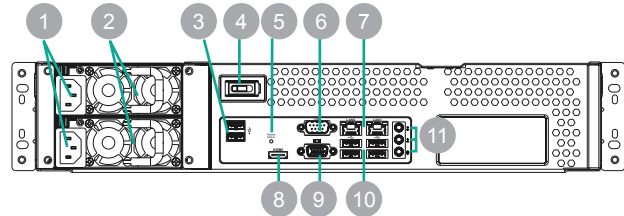
Part Names and Functions

Front View SMR8000U Series



- 1 LED Indicators
- 2 Hard Drive Slots

Rear View



- 1 Power Socket
- 2 Power Supply
- 3 USB Port x2
- 4 Power Switch
- 5 Restore Button
- 6 COM Port
- 7 Ethernet Ports x2
- 8 HDMI Port
- 9 VGA Port
- 10 USB Port x4
- 11 Audio Port

Hardware Specifications

System Processor	Intel® Core i3
System Memory	DDR3 4GB
Chipset	Intel® Q67 Express Chipset-Embedded
DOM	4GB
Storage	3.5" SATA HDDs x8; HDD hot swappable with LED status indicator
I/O Interface	<ul style="list-style-type: none"> • VGAX1; HDMIx1 • RJ-45: 2x Gigabit Ethernet • USB: 6x USB2.0 • COM: x1
H/W RAID	RAID 0, 1, 5, JBOD
Electrical	<ul style="list-style-type: none"> • Input Voltage: 100~240VAC, 3.5A • Power Supply: 430W
Operating Environment	<ul style="list-style-type: none"> • Humidity: 5% to 80% (non-condensing) • Temperature: 5° to 40°C
LCD Panel	Yes
LED Indicator	Yes (Fan, Temperature, Power, HDD)
Dimensions	88.15(H) x 445(W) x 651.15(D) mm
Weight	8.9 Kg (w/o Hard Disk)
Certificate	BSMI, CB, FCC / CE Class B, UL60959/ IEC 60950, CCC for power only, GOST

Ordering Information

Part Number	Description
SMR2006	6 CH, 2 Bay Megapixel RAID NVR
SMR2010	10 CH, 2 Bay Megapixel RAID NVR
SMR2016	16 CH, 2 Bay Megapixel RAID NVR
SMR5012	12 CH, 5 Bay Megapixel RAID NVR
SMR5016	16 CH, 5 Bay Megapixel RAID NVR
SMR5020	20 CH, 5 Bay Megapixel RAID NVR
SMR6025H	25 CH, 6 Bay Megapixel Hybrid RAID NVR
SMR6032H	32 CH, 6 Bay Megapixel Hybrid RAID NVR
SMR8016	16 CH, 8 Bay Megapixel HW RAID NVR
SMR8025	25 CH, 8 Bay Megapixel HW RAID NVR
SMR8032	32 CH, 8 Bay Megapixel HW RAID NVR
SMR8040	40 CH, 8 Bay Megapixel HW RAID NVR
SMR8016U	16 CH, 8 Bay Megapixel HW RAID NVR
SMR8025U	25 CH, 8 Bay Megapixel HW RAID NVR
SMR8032U	32 CH, 8 Bay Megapixel HW RAID NVR
SMR8040U	40 CH, 8 Bay Megapixel HW RAID NVR

* Recording bitrate at 4Mbps, 12 hours per day.

Optional Accessories

Part Number	Description
H72A0HA2321-0030	Hitachi, Enterprise, 1TB SATA HDD, 3Gb/s
H72A1HA2321-0030	Hitachi, Enterprise, 2TB SATA HDD, 3Gb/s
H72A1XA3XXX-0030	Hitachi, Enterprise, 2TB SATA HDD, 6Gb/s
H72A2XA2XXX-0030	Hitachi, Enterprise, 3TB SATA HDD, 6Gb/s
H72A1XA3XXDX-0030	Hitachi, Desktop, 2TB SATA HDD, 6Gb/s
H72A2XA3XXDX-0030	Hitachi, Desktop, 3TB SATA HDD, 6Gb/s