

SMR6048H

48CH Hybrid Megapixel RAID NVR

Network Video Recorder



- 16 CH (NTSC/PAL) D1 H.264 High Profile Encode
- 32CH Smart Megapixel Video Recorder
- 200Mbps Recording Performance
- Enterprise class RAID-5 system for Data Protection
- 6x Hot-Swappable Hard Disk
- 1080P Full-HD 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 	Remote Management	Full functional operation & management via standalone VMS Client
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 Client	<ul style="list-style-type: none"> • Web Client • iPhone 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 	3rd Party IPCAM	ACTi, Arecont Vision, Asoni, AVTECH, AXIS, Bosch, Dahua, HIKVISION, IQinVision, Lilin, MOBOTIX, Panasonic, SAMSUNG, SONY, VIVOTEK
Multiple Displays	<ul style="list-style-type: none"> • Up to 8 monitors • Supports live view, playback, eMap functions • Direct display to secondary monitor(s) 	Hybrid Solution	Supports 16CH capture card for analog cameras*
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-formatted 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 • Tampering detection • Virtual fence • Object counting 	Performance Validation	

Model	Total** Channels	Camera Resolution	Camera Compression	Camera Bit Rate	FPS	Local Client View	Validation*
SMR6025	9+16	1280x1024	H.264	2Mbps	15	25	PASS
SMR6025	9+16	1920x1080	H.264	4Mbps	15	25	PASS
SMR6025	9+16	2048x1536	H.264	4Mbps	10	25	PASS
SMR6032	16+16	1280x1024	H.264	2Mbps	15	25	PASS

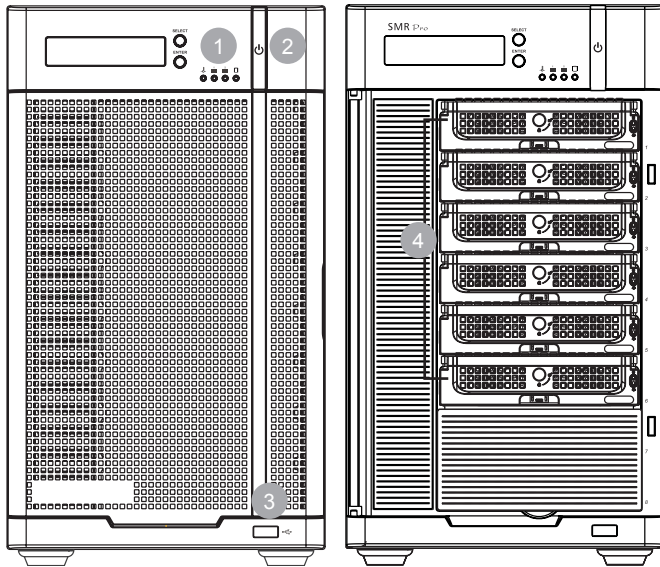
* Burn-In Test condition (14 days, Round-The-Clock)
 * IP Cameras using dual streaming capability
 * Total 25/32 motion detection filters are active
 ** Total Channels are IP camera channels + Analog camera channels

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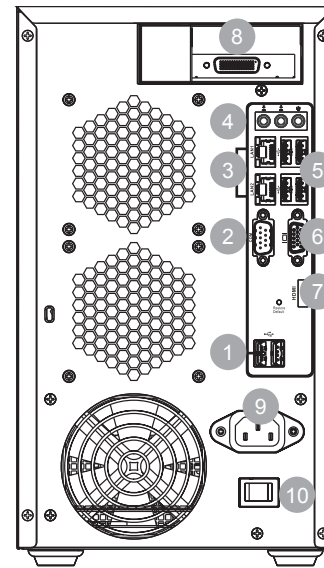
Part Names and Functions

Front View



- ① LED Indicators
- ② Power Switch
- ③ USB
- ④ Hot Swappable HD Tray

Rear View



- ① 2 x USB
- ② COM
- ③ 2 x GLAN Ethernet
- ④ AUDIO
- ⑤ 4 x USB
- ⑥ VGA
- ⑦ HDMI
- ⑧ BNC Connector
- ⑨ Power, AC Outlet
- ⑩ Power SW

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
Analogue	BNC Connector: 16x Video + 16x Audio
I/O Interface	• VGAx1; HDMIx1 • RJ-45: 2x Gigabit Ethernet • USB: 6x USB2.0 • COM: x1
H/W RAID	RAID 0, 1, 5, JBOD
Electrical	• Input Voltage: 100~240VAC, 3.5A • Power Supply: 430W
Operating Environment	• Humidity: 5% to 80% (non-condensing) • Temperature: 5° to 40°C
LCD Panel	Yes
LED Indicator	Yes (Fan, Temperature, Power, HDD)
Dimensions	310(H) x 175(W) x 380 (D) mm
Weight	9 kg (w/o HDD)
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