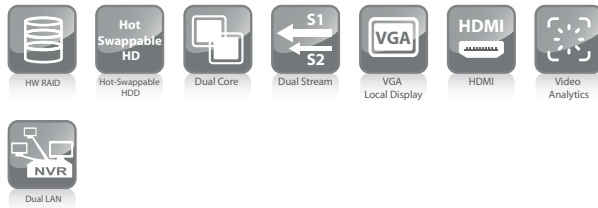


# SMR8040U

40CH Megapixel H/W RAID NVR



- 40 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"> <li>• Real-time network camera discovery</li> <li>• Versatile views of various screen divisions</li> <li>• HTML and image overlays</li> <li>• Multiple views supported</li> <li>• View patrolling for single or multiple views</li> <li>• Real time video/event alarm display</li> <li>• Instant playback</li> <li>• Video clip bookmarking</li> </ul>	Video Intelligence	<ul style="list-style-type: none"> <li>• Tampering detection</li> <li>• Virtual fence</li> <li>• Object counting</li> </ul>
eMAP	<ul style="list-style-type: none"> <li>• Drag-n-drop camera manipulation</li> <li>• Directional camera display</li> <li>• Hierarchical map structure</li> <li>• Real time event alert</li> <li>• Instant live video of camera</li> <li>• Multiple maps supported</li> </ul>	Remote Management	Full functional operation & management via standalone VMS Client
PTZ	<ul style="list-style-type: none"> <li>• Pan, tilt, zoom operations (dependent of camera)</li> <li>• Built-in, floating PTZ control panel</li> <li>• Preset position (dependent of camera)</li> <li>• Scheduled or continuous camera patrolling</li> <li>• Event-driven camera patrolling</li> <li>• On Screen PTZ control</li> </ul>	Remote Client	<ul style="list-style-type: none"> <li>• Web Client</li> <li>• iPhone Client</li> </ul>
Multiple Displays	<ul style="list-style-type: none"> <li>• Up to 8 monitors</li> <li>• Supports live view, playback, eMap functions</li> <li>• Direct display to secondary monitor(s)</li> </ul>	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"> <li>• Search by date, time, camera</li> <li>• Search by pre-defined recent time</li> <li>• Search by VI event combinations</li> <li>• Search over multiple days</li> <li>• Search over multiple cameras</li> <li>• Video clip bookmarking and commenting</li> <li>• Search via built-in VI analyzer</li> <li>• Customizable bookmark</li> <li>• Intuitive, video thumbnail search results</li> <li>• Cue-in, cue-out and repeat</li> <li>• Quick playback by video thumbnail</li> <li>• 1/8, 1/4, 1/2, 1x, 2x, 4x, 8x play, pause, stop</li> <li>• AVI-formated video clip export</li> <li>• 4-channel synchronized playback</li> </ul>	General & Misc	<ul style="list-style-type: none"> <li>• Video codec: H.264, MPEG4, MJPEG</li> <li>• Image enhancement</li> <li>• Video privacy mask</li> <li>• Digital zoom in, zoom out</li> <li>• Log viewer</li> <li>• Windows lockup</li> <li>• Client auto login</li> <li>• Digital I/O management</li> <li>• Automatic storage recycling</li> <li>• Client-server architecture</li> <li>• Guaranteed performance of long period recording</li> <li>• Customizable appearance of Surveon logo</li> <li>• Configurable video retention period</li> <li>• Digital watermark proofing</li> <li>• Language supported: English, French, German, Portuguese, Spanish, Simple Chinese, Traditional Chinese, Italian, Japanese, Russian, Slovak, Czech, Dutch and Polish</li> <li>• Support DDNS Function</li> <li>• Support CH Products USB joystick</li> <li>• Support ethernet I/O device*</li> <li>• Support NTP Server synchronized*</li> </ul>
Instant Playback	<ul style="list-style-type: none"> <li>• Supported in video alarm, event alarm, view functions</li> <li>• Pre-defined playback durations</li> <li>• Video clip bookmarking</li> </ul>	* Available soon	
Video Intelligence	<ul style="list-style-type: none"> <li>• General motion detection</li> <li>• Missing object detection</li> <li>• Foreign object detection</li> <li>• Intrusion detection</li> <li>• Forbidden area detection</li> </ul>	<b>Performance Validation</b>	

Model	Total Channels	Camera Resolution	Camera Compression	Camera Bit Rate	FPS	Local Client View	Validation*
SMR8040U	40	720x480	H.264	2Mbps	30	36	PASS
SMR8040U	40	1280x1024	H.264	2Mbps	15	36	PASS
SMR8040U	40	1920x1080	H.264	4Mbps	15	36	PASS
SMR8040U	40	2048x1536	H.264	4Mbps	10	36	PASS

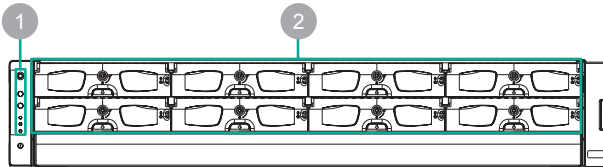
\* Burn-In Test condition (14 days, Round-The-Clock)  
 \* IP Cameras using dual streaming capability  
 \* Total 40 motion detection filters are active

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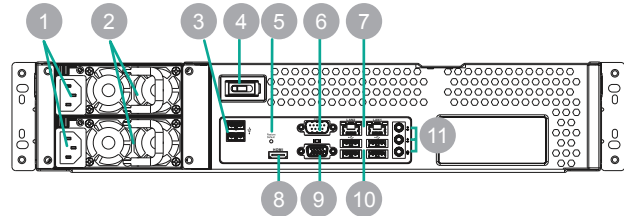
## Part Names and Functions

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
Operating System	2.5" HDD with Windows 7 Embedded System
Storage	3.5" SATA HDDs x8; HDD hot swappable with LED status indicator
I/O Interface	<ul style="list-style-type: none"> <li>• VGAx1; HDMIx1</li> <li>• RJ-45: 2x Gigabit Ethernet</li> <li>• USB: 6x USB2.0</li> <li>• COM: x1</li> </ul>
H/W RAID	RAID 0, 1, 5, JBOD
Electrical	<ul style="list-style-type: none"> <li>• Input Voltage: 100~240VAC, 3.5A</li> <li>• Power Supply: 430W</li> </ul>
Operating Environment	<ul style="list-style-type: none"> <li>• Humidity: 5% to 80% (non-condensing)</li> <li>• Temperature: 5° to 40°C</li> </ul>
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