



- 16 CH Smart Megapixel Video Recorder
- Built In Intel ICH9R Hardware RAID
- 2 x Hot Swappable Hard Disk
- Real Time VI Detection
- Low Power Consumption
- In House Design & Production
- Local Display
- 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
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
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
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
Instant Playback	<ul style="list-style-type: none"> • Supported in video alarm, event alarm, view functions • Pre-defined playback durations • Video clip bookmarking
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*

Remote Management	Full functional operation & management via standalone VMS Client
3rd Party IPCAM	ACTi, AXIS, SONY, VIVOTEK, Arecont Vision, HIKVISION, IQinVision, MOBOTIX, Panasonic, Asoni, AVTECH, D-Link, SAMSUNG
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 • Configurable video retention period • Digital watermark proofing* • Language supported: English, French, German, Portuguese, Spanish, Simple Chinese, Traditional Chinese

* Available in VMS 2.4.5

Performance Table

Encoding	Res.	FPS	Bit Rate	Max Channels (*)	Total Bit Rate (M)	Real Time VI (**)	Local Live View
H.264	D1	30	1	16	16	2	Yes
H.264	1.3M	15	2	16	32	2	Yes
H.264	1.3M	25	4	16	64	2	Yes
H.264	2M	20	6	16	96	2	Yes
H.264	3M	15	6	16	96	2	Yes

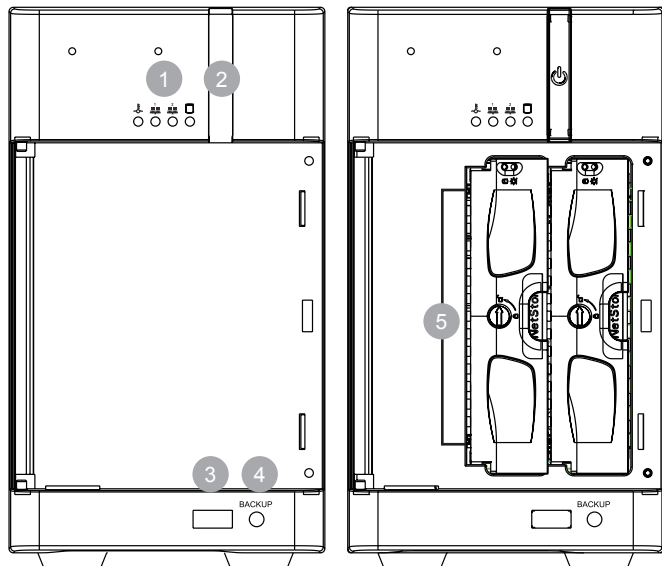
* IP Camera must support dual stream

** VI = missing object, forbidden area, intrusion detection

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

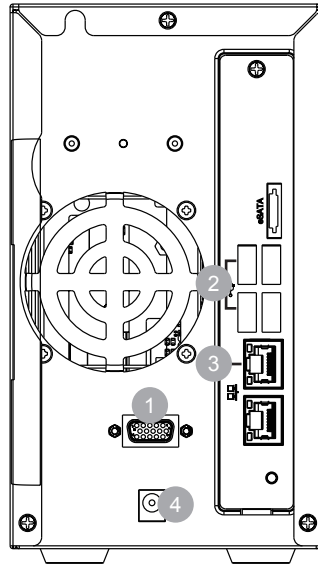
Part Names and Functions

Front View



- 1 LED Indicators
- 2 Power Switch
- 3 USB
- 4 Video Back UP Button
- 5 Hot Swappable HD Tray

Rear View



- 1 VGA
- 2 4 x USB
- 3 Ethernet
- 4 12V DC In

Hardware Specifications

System Processor	Intel® ATOM525 Dual Core @ 1.8GHz
System Memory	DDR3 2GB
Chipset	Intel® ICH9R
DOM	4GB
Storage	3.5" SATA HDDs x2; HDD hot swappable
I/O Interface	<ul style="list-style-type: none"> • VGA: 1x D-Sub • RJ-45: 1x Gigabit Ethernet • USB: 4x USB2.0 • E-SATA: x1
H/W RAID	RAID 0, 1
Electrical	<ul style="list-style-type: none"> • Input voltage: 100V~240V, 1.5A • Frequency: 50Hz~60Hz • Power consumption (in operation): 14W
Operating Environment	<ul style="list-style-type: none"> In operating • Humidity: 5% to 80% (non-condensing) • Temperature: 5° to 40°C
LCD Panel	N/A
LED Indicator	Yes
Dimensions	190(H) x 110(W) x 245(D) mm
Weight	3 Kg
Certificate	BSMI, CB, FCC / CE Class A, UL60959/ IEC 60950, CCC for power only, GOST

Ordering Information

Part Number	Description
SMR2006	6 CH, 30+ days recording w/ RAID 1
SMR2010	10 CH, 20+ days recording w/ RAID 1
SMR2016	16 CH, 10+ days recording w/ RAID 1
SMR5012	12 CH, 40+ days recording w/ RAID 5
SMR5016	16 CH, 30+ days recording w/ RAID 5
SMR5020	20 CH, 20+ days recording w/ RAID 5

* Recording at bit rate = 3-4Mbps, 12 hours per day

Optional Accessories

Part Number	Description
IH72A1A2322G0	Hitachi desktop SATA II, 2TB, 7200RPM