SA6416 RACK Hybrid Windows DVR

- · **Windows Embedded System**
- · **Full Hybrid Support (Analog and IP)**
- · **Supports 60+ brands of IP cameras**
- · **Supports up to 42 megapixels**
- · **POS Integration**
- · **Inclusion of all AVer Software Features**

3U Rack Mountable

Incredible IP performance in a 16-CH hybrid security DVR packed with the latest AVer features for dependable and durable security deployments

Join our Webinar!

AVer webinars are web based trainings presented by a trained AVer technical, marketing or sales specialist. The courses are designed for attendees to gain a deeper understanding of AVer products and solutions.

IP Performance Matters

The SA6416 Rack is not only compatible with both analog and IP cameras, but the system is designed to process massive amounts of video with extreme power and precision to deliver every meticulous surveillance detail. So there are no jumps, bumps or lags.

Software Matters

Seamless network integration, intuitive video intelligence, powerful Visual and Intelligent search features, comprehensive remote and alarm management and more, the SA6416 Rack is built for power, precision and performance.

Award-winning GUI

Data Safety Matters

The SA6416 Rack includes our Remote Backup tool that pulls data off the DVRs database and stores the information at a remote location. The system can also be pre-configured for specific time intervals to archive and pull data off.

POS Matters

When deploying surveillance in retail facilities, loss prevention becomes critical. When cash registers are part of the every day work week, you will be happy to know that the SA6416 Rack is compatible with most commonly used POS systems. Not only does this smart system actively associate transaction data with corresponding video images, but it also outputs alerts for suspicious events based on your assigned keywords.

Contact Us:

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AVer™

Front Panel Connections

Front panel controls	Power switch,Removeable HDD
DVD writer	Included, supported medias: DVD±R, DVD±RW
USB 2.0 Ports	2

Rear Panel Connections

Video Inputs (analog)	16 - BNC connectors
Video Inputs (IP)	16 video H.264/MPEG4/JPEG data streams
Video Output	1 - VGA out, 1 - DVI out, 1 - TV out
Audio Input/Output	16/1
Microphone Input	1
Alarm Inputs/Relay Outputs	4/4
E-SATA Port	1
USB 2.0 Ports	4
Communication	1x - RS232, 1x - RS485 for POS and PTZ, respectively.
AC Power	350 Watt

Unit

Operating system		Embedded Windows XP 32bit
Compression (analog)		Software: H.264/MPEG4/MJPEG
Video Format	Analog	NTSC: 352 x 240 (CIF), 640 x 480 (VGA), 720 x 480 (D1)
	IP	IP/Megapixel Camera Specific
Recording Rates	Analog	CIF	480fps
		VGA	240fps
		D1	160fps
	IP	Per camera specifications
Storage	Capacity	Supports up to 4 SATA HDDs (3 Internal, 1 Removable)
	eSATA	1 eSATA connector
Communication Ports	RS 485	1, Terminal block, Tx+, Tx-, Rx+, Rx-
	RS 232	1, 9 Pin, Male
Network		1, 10/100/1000 Base-T Ethernet, RJ-45
Supported IP cameras (support IP PTZ, IP IO, & IP audio if IP cameras built-in)		AXIS, Panasonic, SONY, Arecont, Mobotix, BOSCH, IQinvision, JVC, TOSHIBA, VIVOTEK, ACTi, D-Link, PiXORD, PELCO, Apron, Lilin and more
Operator Interface		USB mouse, USB PC keyboard, Remote controller (supports optional IR extension cable)
Browser/Remote Client		MS Internet Explorer 6+, Windows 2000, XP, VISTA

Mechanical

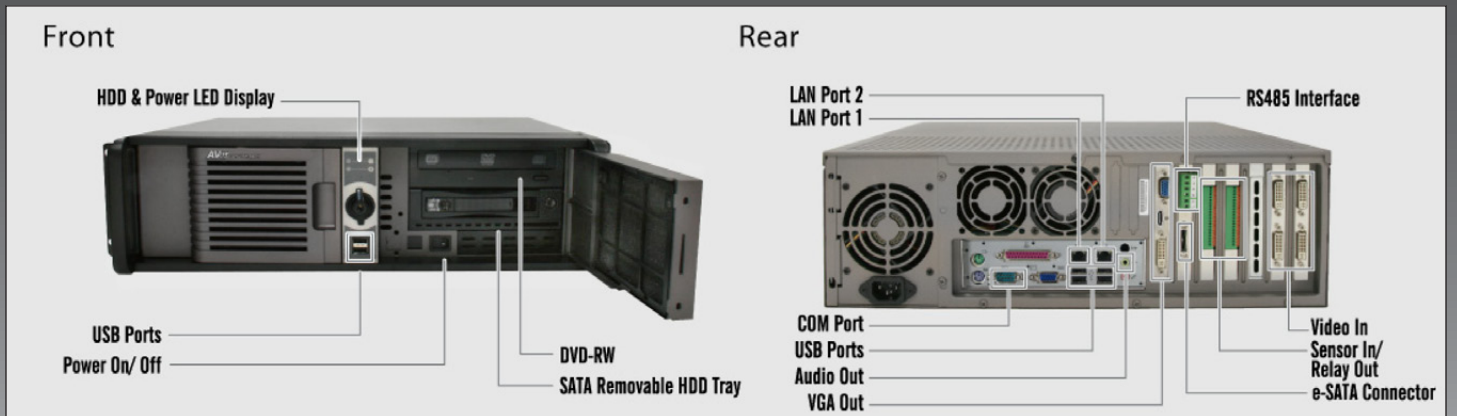|	
Dimensions (H x W x D)	5.23 x 18.97 x 20.82in
Rack Mountable	Optional rack ears

Software

Interface	Graphical User Interface
Account Administration	Up to 256 accounts with configurable user privileges
Camera Administration	Add and configure all supported IP/Megapixel cameras through the GUI.
PTZ Control	Zoom-in/Zoom-out, Focus-in/Focus-out, Direction, Speed, Preset point, Autopan
Playback Administration	Playback while recording or setup
	Play, rewind, fast-forward, frame-by-frame control
	Digitally zoom to specific regions in recorded video
	Export single frame to .jpg, export video clip to .DVR/ .AVI/.MPEG
Motion Detection	Configurable to sense mass/motion; can partition off areas in monitoring regions from motion triggers
Event Recording	Scheduled, Continuous, Smart, Motion, Alarm, Manual
Video Event Search	Visual Search, date/time, camera, event & log files
Advanced Event Log	Full event, operation, system & network activities log
Alarm Notifications	Launch or send E-map, relay, video capture, CM3000 or E-mail notification
E-map Display	Positions of cameras, sensors, relays & event status
iEnhance	Enhance video quality such as Brightness/Contrast/ Hue/ Saturation/ Sharpness/ Noise Reduction/De-interlace/ Gray Scale of recorded video
iStable	One-click fix for shaky video caused by camera movement (such as wind or vandalism)

Remote Management

Central Management	CM3000 software - supports up to 1000 DVRs
Remote DVR connectivity	WebViewer (MS Internet Explorer only), Remote Console, JavaViewer, PDAViewer, iViewer(iPhone/iPad/iPod Touch/ Android)
Dispatch Server	Balance NVR communication for added client access and greater data transfer speeds
DDNS	Allow remote clients to search dynamic servers without enquiring for server's IP address

Environmental

Temperature	Operating	32 ° to 104 °F
	Storage	-22°F to 140 °F
Relative humidity	Operating	50%-80%
	Stored	90%

Regulatory

Emissions	FCC: Part 15, Class A

Warranty

2 Year Limited Parts and Labor

Front

HDD & Power LED Display

USB Ports
Power On/ Off

DVD-RW

SATA Removable HDD Tray

Rear

LAN Port 2
LAN Port 1

RS485 Interface

COM Port
USB Ports
Audio Out
VGA Out

Video In
Sensor In/
Relay Out
e-SATA Connector

This product illustration is based on SA6832 RACK

PTZ Camera (visit our website support/download page for a complete list)

Brand	Product Number
AmericanDynamics	All products
Canon	VC-C4R
CD55	All products
DiGiDome	DRX -502A (DOH-240)
DMP23-H2	DMP23-H2
DynaColor	All products
Eastel	All products
ELMO	PTC -200C
Fastrax II	HID-2404
JVC	TK-C676 / TK-C675
Lilin	PIH 717X / 7000 / 7600 / PIH 7622/ 7622DH / 7635DH
MD101	All products
MicroJack-P	All products
NiceCam	All products
Panasonic	WV-CS850 / WV-CW860 / WV-CS950 / CS850B / CW860A / WV-CZ352
Pelco	Pelco-D/ Pelco-P
Philips	TC8560, TC700
Samsung	SCC-641
Sony	15-CZ45-1 /EVI-D70P
Yoko	All products

Note: Based on Intel's suggestion, for all of Microsoft Windows XP Operating Systems, Hyper-Threading must be disabled in the system BIOS Setup programfor our DVR products. For the most stable security DVR system, we strongly recommend NOT using VIA/SiS/ALi chipsets and SiS VGA chips with our products due to their severe limitation of the chipset design

Please make sure you are using the standalone VGA card with 128 MB memory above instead of built-in onboard VGA card in order to ensure the working stability and performance of the NV/NXU series software.

We highly recommend not applying the Samsung Hard disk drive to the SA/XR/EXR DVR products for recording or backing up video files usage.

USB to Serial Hubs (Could be compatible w/ POS Series, PTZ Camera, UPS Series)

Brand	Product Number
MOXA	Uport 1410

*Hardware recommendations are the minimum required hardware specifications for running our systems and not a guarantee to achieve the best performance of our DVR systems. Hardware specifications required to achieve the best performance of our DVR systems are subjected to different system settings and operation conditions.

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