CAPABILITIES

XR8032 RACK Pure IP NVR

Plug into IP Potential!

Model Number(s):

■ XR8032 RACK - 32 channel solution

Key Points:

■ Video: 32 IP Channels

■ Award winning Graphical User Interface

■ *Supports 60+ IP Camera Brands*

■ Real-time recording when integrated with (32)1.3 MegaPixel IP cameras

■ Supports up to 5 MegaPixel

■ Advanced alarm management

■ Comprehensive remote access through iPhone, Blackberry and web

AVerMedia's 32-ch Pure IP XR8032 RACK NVR delivers serious performance with plenty of extras at a great price. It all starts with integration. The system seamlessly integrates anywhere on the network to deliver crystal-clear IP video streams at the local site, from a corporate central station or from anywhere across the globe.

Add further integration with POS, 50 different brands of IP cameras and a slew of alarm and remote management features and you get IP power and convenience in a highly versatile NVR that is perfect for commercial surveillance deployments.

ADMINISTRATION

- Windows based system
- 32 IP Channels with up to 5 MegaPixel (2592x1944) support with a 42 MegaPixel max total resolution per system
- Video Format: H.264, MPEG4 and MJPEG
- Supports 60+ IP camera brands and compatible with up to 5 MegaPixel IP camera(s) (check support list for integrated cameras)
- IP Camera(s) auto detection for easy setup
- IP camera Pan-Tilt-Zoom enabled for Zoom, Focus, Direction, Speed, Preset point and Auto-pan
- Built-in IP camera I/O functions

INTEGRATION

- Built-in RS482 connector to quickly integrate with many peripherals such as PTZ controls, POS systems and more
- SDK is available to create customized integrations

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MONITORING

For environments that depend on live video, the XR8032 RACK offers many features for fast & responsive event management:

- 32 channels of network video and audio inputs
- Dual-monitor and Alarm spot-monitor outputs
- 8 different E-maps showcasing camera, sensor and relay positions for effective situation command
- Incorporated with quick on-channel PTZ controls
- Auto scan with full screen display and 1, 4, 8, 9, 13, 16, 32-camera display modes
- 8 sensors & relays and up to 128 more with addt'l E-I/O box (convertor will be required)
- Patented "Attention Please" feature helps maintain and evaluate operator performance

Live Display
- Award winning Graphical User Interface (GUI) with:
  - Advanced GUI mode for easy access to system tools
  - Compact GUI mode for maximum image display
- Channel Auto scan with 1, 4, 8, 9, 13 & 16 screen splits
- Simultaneously view live video during playback
- Digital zoom incorporated for greater detail in live video

Alarm/Notifications
The XR8032 RACK is ready and prepared for incident response by:
- Starting video recording on multiple channels
- Sending footage from multiple channels to spot monitor
- Enabling camera PTZ tracking and enlarging triggered video
- Following sensor with relay protocols (e.g. locking gates etc.)
- Launching the triggered channel's corresponding Emap
- Sending emails, snapshots and files to FTP, SMS/MMS
- Making a phone call or playing customizable warning sounds
- Sending video to Central Management System
- Displaying standard operational protocols to ensure proper adherence to procedures by security personnel

INTELLIGENCE

To reduce security staffing and/or to manage high-volume video, the XR8032 RACK provides intelligence triggered by:
- Motion Detection
- Objects left or removed from monitored zones
- Camera scene changed (camera view is obstructed or moved)
- Sensor inputs
- Point-of-Sale events
- Video loss or HDD failure

RECORDING

Once the system is triggered and starts recording, it can continue to do so without time limitations. Additional features:
- Continuous, Motion, Event or Manual recording
- Smart - Activity based escalation of recording fps (low - high)
- Video Shield - prevent recording of unwanted or restricted areas by portioning off areas with an opaque digital shield
- Two types of de-interlace method: optimized for static scenes or dynamic scenes
- Included HDD calculator will keep an eye on storage space to guide recording preferences
- System includes 500GB HDD and supports up to 6 SATA HDD

FORENSICS

For rapid retrieval/export of pertinent data:

Search
- Defined parameter search by date, time, camera, area, event, and event log file
- AVerMedia patented Visual Search that visually breaks down video by day, hour, minute, 10 seconds and second
- Time search to scroll through by moments
- Easy retrieval and playback of footage by "Bookmarking" significant segments
- Advanced event log search by event, operation, POS, system and network activities

Playback
- Simultaneously view up-to-10 minutes of instant playback by clicking the playback icon on live video
- Built-in sensitive playback controls (including frame-by-frame)
- Digital zoom incorporated for greater detail in playback video
- System can save up-to-10 seconds of pre-alarm footage from temporary to permanent storage

Backup
- Easily export/backup to DVR-RW/ CD-RW, flash memory, external HDD, NAS, SAN and RAID
- iBackup software ensures easy backup and playback
- System starts automatic back up of footage when external storage devices are inserted
- Direct burn to CD/DVD-RW during backup
- Export single images to BMP files or segments to AVI files

INTEGRATION
- POS is integrated on every channel along with POS database, advanced data search and keywords that can trigger alarms

CAPABILITIES

REMOTE

Multicasting
- iDispatch - For high-traffic video broadcasting, the XR8032 Rack will multicast video streams to drastically lower network, server and camera loads for effective remote viewing

Bandwidth
- For bandwidth considerations, connection speed of 64K, 512K or LAN can be preset by Account Administrator; if not set, user can select any speed of their choosing

Setup and configuration
- iSetup is bundled to make system changes remotely
- Remote backup capability is included with the XR8032 Rack

Viewing
From laptops, cells phones, PDAs and more, you can track video whenever and wherever
- Remote Access with DDNS function
  - **Web/Remote Computers:**
    Internet Explorer WebViewer (view Live video with 2-way audio)
    Remote Console (view Live/Recorded video and control PTZ, setup, E-maps, recording, playback, sensors/relays)
  - **Windows mobile devices:**
    SmartViewer (view Live video)
    PDAViewer (view Live/Recorded video, store multiple DVR log-ins, control PTZ, zoom and take video snapshots)
  - **Blackberry mobile devices:**
    iBBViewer (view Live video)
  - **iPhone mobile devices:**
    iViewer (view Live video)

Multiple Systems
- With CM3000 central management software, you have total remote command of up to 1000 remote systems from one central location
  - Monitor with E-maps, record and playback
  - Control sensors and relays
  - Setup and modify DVR configurations
  - 2-way audio

USER ACCESS
- Up to 256 user accounts with individually assigned passwords and user privileges

ENHANCEMENT
The XR8032 RACK offers editing software to boost video quality:
- iEnhance - color, noise and light manipulation
- iStable - smoothes shaking and jolts

SPECIFICATIONS

XR8032 RACK Detailed Specifications

Front Panel Connections	
Front panel controls	Power switch,Removeable HDD
DVD writer	Included, supported medias: DVD±R, DVD±RW
USB 2.0	2
Rear Panel Connections	
Video Inputs (analog)	N/A
Video (IP cameras)	32 video H.264/MPEG4/JPEG data streams
Video Output	1 - VGA out, 1 - DVI out, 1 - TV out
Audio Input/Output	32/1
Microphone Input	1
Alarm Inputs/Relay Outputs	8/8
E-SATA	1
USB 2.0	6
Communication	1x - RS232, 1x - RS485
AC Power	350 Watt

Unit		
Operating system	Embedded Windows XP 32bit	
Compression (IP)	Software: H.264/MPEG4/MJPEG	
Video Format	IP/Megapixel Camera Specific	
Recording Rates	Per camera specifications	CIF — 960fps VGA — 960fps D1 — 960fps 1.3MP — 960fps
Storage	Capacity	Supports up to 6 SATA HDDs (5 Internal, 1 Removeable)
	eSATA	1 eSATA connector, Support eSATA RAID
Communication Ports	RS 485	1, Terminal block, Tx+, Tx-, Rx+, Rx-
	RS 232	1, 9 Pin, Male
Networking	2x - 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
Weight	
Rack Mountable	Optional rack ears

Regulatory	
Emissions	FCC: Part 15, Class A

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	Supports IP PTZ cameras
Playback Administration	Playback while recording or setup
	Play, rewind, fast-forward, frame-by-frame control
	Digitally zoom to specific regions on recorded video
	Export single frame to .jpg, export video clip to .DVR
Motion Detection	Configurable to sense mass/motion; can partition off areas in monitoring regions from motion triggers
Event Recording	Schedule: 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
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%

Warranty
2 Year Limited Parts and Labor

XR8032 RACK Hardware Recommendation List

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

Brand	Model	Capacity
MOXA	Uport 1410	

Raid System

Brand	Product Number
Stardom	SR3610-2S-SB2
AVerDigi	RA4000e

*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.

Note:

We highly recommend against using Samsung Hard Disk Drives for SA, XR and EXR DVR products.

PDA Basic requirement
Notice: This feature is only available on version 5.1 or above AP. For customers who are using 5.0 version of AP, please visit the Support/Download page to download and upgrade to the latest version of AP
1. CPU: Arm architecture, for example, Intel Xscale.
2. OS: MS Window Pocket PC 2002/2003 or Mobile 5 and above.
3. GPRS or WLAN module is recommended.

Windows Mobile Smartphone Basic Requirement
Notice: This feature is only available on version 5.7 or above AP. For customers who are using v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP
1. CPU: Arm architecture, for example, Intel Xscale.
2. OS: Windows-base, Windows Mobile 2002/2003 for Smart Phone Edition or Windows Mobile version.
3. Network module such as WAP,GPRS,WLAN....etc is required .

Symbian Smartphone Basic Requirement
Notice: This feature is only available on version 7.1 or above AP. For customers who are using v5.7, v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP
1. OS:Symbian Smartphone
2. The OS needs to support JAVA MIDP 2.0(JAVA2 ME)
3. Network module such as WAP, GPRS, WLAN, etc is required.