

HDVR

Hybrid Digital Video Recorder

Features that make a difference:

- Manage analog and IP cameras from an intuitive interface
- Two flexible configurations available: 16 analog/8 IP cameras; 32 analog/8 IP cameras
- Each server is expandable to 64 IP cameras
- Supports H.264 and MJPEG on analog cameras; H.264, MPEG4, MJPEG on IP cameras
- Unique removable BNC panel improves serviceability
- 2U and 4U rack-mountable servers
- 4U chassis contains hot-swappable drives
- Supports a wide variety of IP cameras including multi-megapixel
- Easily and cost-effectively add IP camera licenses
- Common client allows you to connect to an unlimited number of HDVR servers
- Use multi-monitor and wide-screen client display for easy viewing
- Easy-to-use, powerful video and audio export features
- Easy-to-use multi-camera view playback and export
- User-definable permissions and privileges
- Access video with most web browsers and mobile devices
- Easily analyze search results with configurable color-coding
- RAID 5 storage
- Powerful integration with Software House and Kantech access control systems



HDVR (Hybrid Digital Video Recorder) from American Dynamics HDVR protects your analog camera investment while you consider either transitioning to IP cameras, or enjoy the benefits of a mixed environment. The HDVR provides seamless integration and recording of both analog and IP video surveillance cameras on an enterprise class chassis.

The powerful, yet easy to operate client user interface installs on any standard computer running Microsoft Windows XP or Vista and can connect to multiple servers. Video from all HDVR systems can also be accessed with web browsers and mobile devices with access to the Internet.

Each HDVR server supports 16 or 32 analog inputs and 8 IP inputs, which can be easily expanded to 64 IP cameras per server. The unique hardware platform supports H.264 and MJPEG compression technology on all analog channels; H.264, MJPEG, and MPEG-4 on IP channels. A RAID 5 model provides redundant storage capabilities.

HDVR features a removable BNC panel, making it extremely easy to perform maintenance on the server without disrupting service; you simply replace the front of the unit while keeping all the BNCs intact.

HDVR integrates with Software House and Kantech access control systems, providing a powerful security solution that protects your entire business.

General

Video Standard:NTSC (30 ips) / PAL (25 ips)
 Recording Resolution.....352 x 240 – CIF@30 ips NTSC
 (per analog camera) 704 x 280 – 2CIF@30 ips NTSC
 704 x 480 – 4CIF@30 ips NTSC

Compression

Analog Cameras.....H.264 / MJPEG
 IP Cameras.....H.264/MPEG-4/MJPEG

Audio Output.....1

Network Interface (2) Gbit 1000Base-T RJ-45

USB2 Ports.....6 (2 front, 4 rear)

VGA/DVI Monitor Output.....1

Operating System.....Windows XP Pro

RAID5 Storage.....Optional

Environmental

Operating Temperature.....0° to 35°C (32° to 95°F)
 Relative Humidity.....10% to 85% RH (noncondensing)
 Storage Conditions.....-40° to 70°C (-40° to 158°F)

Regulatory

Emissions

FCC part 15 Class B

EN55022:2006

EN61000-3-2 :2006

EN61000-3-3:1995 + A1:2001 + A2 :2005

EN50130-4 :1995 + A1 :1998 + A2 :2003

Safety

UL 60950-1

EN 60950-1: 2001+A11

Hardware

| | 2U 16-channel | 4U 32-channel |
|-------------------------|--|---|
| Dimensions W x H x D | 48.26 x 8.89 x 57.79 cm (19 x 3.5 x 22.75 in) | 48.26 x 17.78 x 57.79 cm (19 x 7.0 x 22.75 in) |
| Weight | 12.25 – 14.51 kg (27-32 lbs) | 20.87 – 25.40 kg (46-56 lbs) |
| Analog Video inputs | 16 | 32 |
| Looping outputs | 16 | 32 |
| Audio inputs | 16 | 32 |
| Alarm inputs | 16 | 32 |
| Alarm outputs | 8 | 16 |
| Analog Outputs | 1 | 2 |
| Relay Outputs | 1 | 2 |
| Serial Connections | RS232, RS485 | RS232, RS485 |
| Power | 120/240 VAC / 300W | 120/240 VAC / 400W |

Minimum Specifications for Client Workstation

Operating System.....Microsoft Windows XP or Vista

Processor.....2 Ghz Celeron

Memory.....512 MB RAM

VGA.....Standard high performance

Web Browser Compatibility.....Internet Explorer, Firefox, Apple Safari, Opera, Google Chrome

Mobile Device Compatibility.....iPhone, iPod Touch, BlackBerry, Windows Mobile OS

Model Numbers

ADHD160100.....HDVR, 2U, 16 ch. analog/ 8IP, 1TB

ADHD160200.....HDVR, 2U, 16 ch. analog/ 8IP, 2TB

ADHD160300.....HDVR, 2U, 16 ch. analog/ 8IP, 3TB

ADHD160400.....HDVR, 2U, 16 ch. analog/ 8IP, 4TB

ADHD16R300.....HDVR, 2U, 16 ch. analog/ 8IP, 3TB, RAID5

ADHD320200.....HDVR, 4U, 32 ch. analog/ 8IP, 2TB

ADHD320400.....HDVR, 4U, 32 ch. analog/ 8IP, 4TB

ADHD320600.....HDVR, 4U, 32 ch. analog/ 8IP, 6TB

ADHD320800.....HDVR, 4U, 32 ch. analog/ 8IP, 8TB

ADHD32R700.....HDVR, 4U, 32 ch. analog/ 8IP, 7TB, RAID5

ADSHIP01.....Single IP Camera License

ADSHSSAIP01.....Software Update Subscription for single IP Camera

ADSH16SSA.....Software Update Subscription for 16/8 HDVR

ADSH32SSA.....Software Update Subscription for 32/8 HDVR

System Diagram


Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

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