

HDVR

Hybrid Digital Video Recorder



Features That Make a Difference:

- Manage analog and IP cameras from an intuitive interface
- Two flexible configurations available:
 - 2U - 16 analog/8 IP cameras
 - 4U - 32 analog/8 IP cameras
- Supports H.264 and MJPEG on analog cameras; H.264, MPEG-4, MJPEG on IP cameras
- Unique removable BNC panel improves serviceability
- Easily and cost-effectively add IP camera licenses
- Common client allows you to connect to multiple HDVR servers
- User-definable permissions and privileges for server access
- Access video with most web browsers and mobile devices
- Map features allows user defined event implementation
- RAID 5 storage
- Integrates with the following access control platforms:
 - Kantech EntraPass v.4.04 or higher
 - Software House C•CURE 9000 v1.93 or higher
 - CEM Access 2000
- Compatible with American Dynamics Illustra 600 (mini-domes), 400 and 200 Series, Illustra 625 PTZ, and IP Fixed cameras
- Review all user activity on the HDVR with audit trail functionality
- Integrates with victor Unified Client

HDVR from American Dynamics 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. Megapixel IP cameras can be optionally viewed in a borderless wide panel view.

The powerful, yet easy to operate client user interface installs on any standard computer running Microsoft Windows XP, Vista, or Windows 7, and can connect to multiple servers. Each HDVR client can support up to 4 monitor displays to support cameras or maps in a variety of user specified configurations. Video from all HDVR systems can also be accessed with web browsers and mobile devices with access to the Internet.

HDVR now supports remote monitoring of HDVR servers, through a mobile App for all iOS devices. These are currently available for download from the iTunes App store. HDVR Go mobile enables you to view live and recorded video while “on the go”, ensuring real time accessibility to your global deployments. This allows for easier monitoring of your video deployments, in addition to being able to react more quickly to real time events.

The optional Enterprise software license enabled at the server level, adds unique user administration functionality that

is useful in an enterprise deployment. Supported features include: Active Directory Integration, Multi-Level Mapping, and Enterprise User Administration.

Each HDVR server supports 16 or 32 analog inputs and 8 IP inputs, which can be easily expanded to support additional camera licenses (within the unit's video data bandwidth limitations). 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.

Searches are faster and easier on recorded video by maintaining the downloaded video in the cached memory without having to download repetitive video clips.

The video wall enables you to change video wall views based on external triggers, alarms and serial data events. In addition, user defined events can be implemented on the map feature allowing you to add and view access control operations, video analytic alarms, and other events.

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.

Specifications

General

Video Standard NTSC (30 ips) / PAL (25 ips)
 Recording Resolution
 (per analog camera). 352 x 240 – CIF@30 ips
 NTSC; 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
 USB 2.0 Ports 6 – two front, four rear
 Monitor Output 1 VGA / 1 DVI
 Operating System Windows 7
 RAID 5 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 A; EN55022, Class A;
 ICES-003/NMB-003, Class A;
 AS/NZS CISPR22, Class A;
 EN61000-3-2; EN61000-3-3
 Immunity EN50130-4; EN55024
 Safety UL 60950-1(2nd Ed.); IEC/ EN 60950-1;
 CSA C22.2 60950-1

Minimum Specifications for Client Workstation

Operating System Microsoft Windows XP, Vista, Windows 7
 Processor Intel Core 2 Duo or equivalent

Hardware

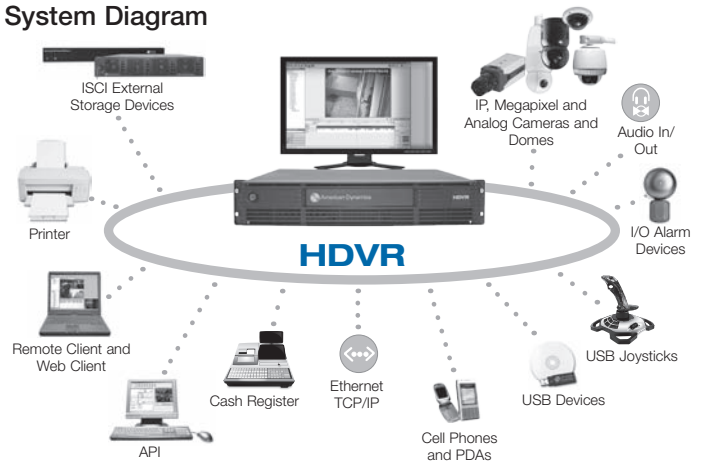
	2U 16-channel	4U 32-channel
Dimensions W x H x D	48.26 x 8.89 x 57.79 cm (19 x 3.5 x 22.75 in)	48.26 x 17.78 x 57.79 cm (19 x 7.0 x 22.75 in)
Weight	12.25 – 14.51 kg (27-32 lbs)	20.87 – 25.40 kg (46-56 lbs)
Analog Video Inputs	16	32
Looping Video Outputs	16	32
Analog Video Outputs	1	2
Audio Inputs	16	32
Alarm Inputs	16	16
Alarm Outputs	8	8
Relay Outputs	1	1
Serial Connections	RS232, RS422/RS485	RS232, RS422/RS485
Power	120/240 VAC / 300W	120/240 VAC / 400W
* Uninterruptible Power Supply (UPS recommended for use with RAID units).		

Memory 2 GB
 VGA Standard high performance
 Web Browser Compatibility Internet Explorer, Firefox, Apple
 Safari, Opera, Google Chrome
 HDVR Go Mobile App iPhone, iPad, iPod Touch
 Mobile web browser Blackberry, Windows Mobile OS,
 Google Chrome

Model Numbers

ADHD16010A HDVR, 2U, 16 ch. analog/ 8IP, 1TB
 ADHD16020A HDVR, 2U, 16 ch. analog/ 8IP, 2TB
 ADHD16030A HDVR, 2U, 16 ch. analog/ 8IP, 3TB
 ADHD16R30A HDVR, 2U, 16 ch. analog/ 8IP, 3TB, RAID5
 ADHD16040A HDVR, 2U, 16 ch. analog/ 8IP, 4TB
 ADHD16060A HDVR, 2U, 16 ch. analog/ 8IP, 6TB
 ADHD16R60A HDVR, 2U, 16 ch. analog/ 8IP, 6TB, RAID5
 ADHD16080A HDVR, 2U, 16 ch. analog/ 8IP, 8TB
 ADHD32020A HDVR, 4U, 32 ch. analog/ 8IP, 2TB
 ADHD32040A HDVR, 4U, 32 ch. analog/ 8IP, 4TB
 ADHD32060A HDVR, 4U, 32 ch. analog/ 8IP, 6TB
 ADHD32080A HDVR, 4U, 32 ch. analog/ 8IP, 8TB
 ADHD32R60A HDVR, 4U, 32 ch. analog/ 8IP, 6TB, RAID5
 ADSHIP01 Single IP Camera License
 ADSSHSAIP01 Software Update Subscription for single IP
 Camera
 ADSHENTR Enterprise Software License
 ADSSHSAENTR Software Update Subscription for Enterprise
 Software License
 ADSH16SSA Software Update Subscription for 16/8 HDVR
 ADSH32SSA Software Update Subscription for 32/8 HDVR
 ADSSHSAIP01X Software Update Subscription for Single IP
 Camera - Expired
 ADSSHSAENTRX Software Update Subscription for Enterprise
 Software License - Expired
 ADSH16SSAX Software Update Subscription for 16/8 HDVR -
 Expired
 ADSH32SSAX Software Update Subscription for 32/8 HDVR -
 Expired

System Diagram



Related Products



Illustra IP Cameras



Discover Analog
Cameras



Illustra 625 PTZ
Camera

Approvals



www.americandynamics.net