

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 supports the following system bandwidth throughputs:
 - Non-RAID - 80 Mbps
 - RAID - 150 Mbps
- Supports H.264 and MJPEG on analog cameras; H.264, MPEG-4, MJPEG on IP cameras
- Unique removable BNC panel improves serviceability
- 2U and 4U rack-mountable servers
- Easily and cost-effectively add IP camera licenses
- Common client allows you to connect to an unlimited number of 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
- Compatible with American Dynamics Illustra 600 Series HD, Illustra 400 Series and IP fixed cameras
- Review all user activity on the HDVR with audit trail functionality

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 Apple App store. HDVR 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. 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 cache 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
USB2 Ports 6-two front, four 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 A, 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

Minimum Specifications for Client Workstation

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

Hardware

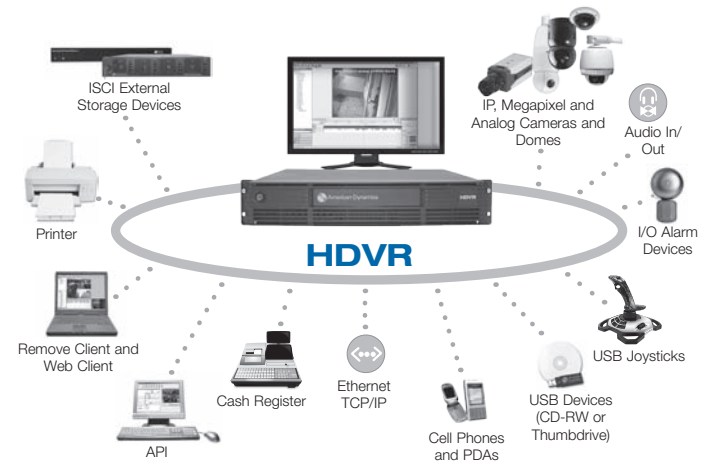
	2U 16-channel	4U 32-channel
Dimensions	48.26 x 8.89 x 57.79 cm (19 x 3.5 x 22.75 in)	48.26 x 17.78 x 57.79 cm (19 x 7.0 x 22.75 in)
Weight	12.25 – 14.51 kg (27-32 lbs)	20.87 – 25.40 kg (46-56 lbs)
Analog Video Inputs	16	32
Looping Video Outputs	16	32
Analog Video Outputs	1	2
Audio Inputs	16	32
Alarm Inputs	16	32
Alarm Outputs	8	16
Relay Outputs	1	2
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
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
ADHD32R600 HDVR, 4U, 32 ch. analog/ 8IP, 6TB, RAID5
ADSHIP01 Single IP Camera License
ADSHSSAIP01 Software Update Subscription for single IP Camera
ADSHENTR Enterprise Software License
ADSHSSAENTR Software Update Subscription for Enterprise Software License
ADSH16SSA Software Update Subscription for 16/8 HDVR
ADSH32SSA Software Update Subscription for 32/8 HDVR
ADSHSSAIP01X Software Update Subscription for Single IP Camera - Expired
ADSHSSAENTRX 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 600 IP cameras



Illustra 400 IP Cameras



Discover Analog Cameras



SpeedDome Cameras

Approvals



www.americandynamics.net

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