



# EDVR

## Embedded Digital Video Recorder

### Features That Make a Difference:

- Full triplex operation with simultaneous live, play, record and remote network operations provides superior control
- Available in 4, 9 & 16 channel desktop or rack mountable configurations with 2 audio channels
- 80 GB, 160 GB, 320 GB & 640 GB hard drive capacities
- Embedded proprietary operating system ensures high reliability
- Intuitive front panel provides easy control and management
- Remotely manage your system with the client software or a web browser
- Records up to 60 ips (720 x 240) NTSC/50 ips (720 x 288) PAL and uses Motion JPEG (MJPEG) compression
- Powerful search capabilities, including first-in-its-class thumbnail searches, make it easy to find the right video clip
- Supports adjustable motion detection and covert cameras for enhanced security
- Unalterable digital signatures of recorded video ensure authenticity
- Pre-alarm image recording puts your video clips in context
- Effectively manage video storage with adjustable camera settings, duration settings, and four hard drive configurations
- User selectable NTSC and PAL video output
- Built-in CD-RW and Secure Digital (SD) card make it easy to export video clips and keep the system up to date

The American Dynamics EDVR is an extremely reliable, easy-to-install digital video recorder that provides enormous benefits over recording video on traditional VCRs with their cumbersome and degradable tapes. The EDVR delivers essential video recording features in an economical package, providing the best solution for small retail stores, health care facilities and other small to mid-sized offices.

Providing standard DVR functions at a fraction of the price of a full featured DVMS, the EDVR includes four live viewing modes including basic live view, freeze, 2X digital zoom, and custom sequencing. Additionally, you can set up to 8 recording schedules and play back the recorded video as quickly, or slowly, as desired—from 1/100th to 100X the original speed. The EDVR provides superior image resolution recorded at 60 ips NTSC (50 ips PAL) and stores video as MJPEG images, saving up to 740<sup>1</sup> hours of video, and leverages four storage configurations (80 GB, 160 GB, 320 GB and 640 GB) for added convenience.

(1) At basic quality using capacity on 640 GB model recording at 30 ips NTSC/25 ips PAL

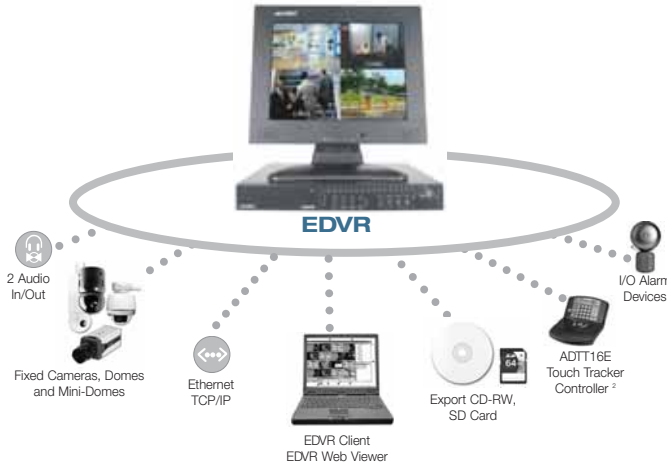
The intuitive EDVR front panel provides immediate control of all recording, searching and management functions. In addition to controlling PTZ, camera calls, and display modes, you can remotely monitor, search for, and configure alarm notifications. Searches can be highly refined with multiple search modes and conditions including event list, time, alarm list, and filter. First-in-its-class thumbnail searches with eight different time intervals make it quick and easy to find specific video clips.

The EDVR can easily be added to an existing network via TCP/IP or viewed via a web browser to easily search for video, monitor and configure cameras, and receive alarm notifications from a remote workstation using a built-in web server.

Available in 4, 9 & 16 channel desktop or rack mountable configurations with 2 audio channels, the EDVR provides a solution that is exactly right for your security needs. And while pictures may be worth a thousand words, the ability to record audio can significantly enhance your understanding of potential security issues.

**Basic System Diagram**

From the powerful SpeedDome® Ultra VII Programmable Dome Camera with Electronic Image Stabilization to the rugged Discover™ Mini-Domes, the American Dynamics EDVR can record images from any camera or dome in the American Dynamics portfolio. For added convenience, your customers can control domes and cameras directly from the EDVR front panel, from the ADTT16E Touch Tracker® Controller<sup>2</sup>, or from the EDVR client. With complete pan, tilt, or zoom capabilities, your customers can get a better view and, therefore, better security.



**General**

- System Design . . . . . Non PC-based, embedded operating system with DSP hardware and upgradeable system firmware
- Archiving . . . . . 80 GB, 160 GB, 320 GB and 640 GB Hard Drive (Full/Alarm/Select); SD memory card (.JPG or .AVI format); CD-RW
- Video Input . . . . . 1.0 Vpp (signal 714mV, sync 286mV)  
75 ohms (BNC unbalanced)  
AGC Range: 0.5~2.0Vpp  
Chrominance: 0.286 Vpp  
Color sub-carrier lock range: +/-200Hz
- Video Output Level . . . . . 1.0 Vpp +/-10%, 75 ohms (BNC unbalanced)
- Video Output Frequency . . . . . -3dB +/-1dB at 3 MHz  
30 IPS NTSC/25 ips PAL, best recording mode
- Video Output Burst Level . . . . . 286mv +/-10% or Vector +/- 10°
- Compression Pixel qty . . . . . 720 x 240 NTSC (720 x 288 PAL)
- Impedance . . . . . 75 ohms/Hi-impedance x 16 switchable
- Number of Audio Tracks . . . . . Two
- Audio Compression . . . . . 8/22/44 kHz sampling,  $\mu$ -law
- Audio Input . . . . . 10k ohms, 2.6Vp-p (RCA)

**Model Number Configuration for EDVRs**

	BRAND	FEATURES	FAMILY	CHANNELS	STORAGE
EXAMPLE	AD AD	E Embedded	DVR Digital Video Recorder	004 004 = 4 channels 009 = 9 channels 016 = 16 channels	008 080 = 080 GB    032 = 320 GB 016 = 160 GB    064 = 640 GB

(2) Not compatible with any other American Dynamics controller

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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- Audio Output . . . . . 1k ohms, 2.6Vp-p, 100~2k Hz (RCA)
- Audio Output Level . . . . . -15dBs +/-4dBs (input -8dBs 1kHz sine wave)
- Network Interface . . . . . Ethernet (RJ-45, 10/100M)
- Network Protocol . . . . . TCP/IP, DHCP, HTTP, UDP
- Network Capabilities . . . . . Live/Playback/PTZ control/System Setup
- Serial Port . . . . . RS-232, RS-485-variable bit rate from 1200 up to 115200 bps, 8 data bits, no parity, 1 stop bit. RS-485 signals are provided to the rear panel with a push-in type terminal block connector.
- Recording Rate . . . . . 60 ips for 720 x 240 (NTSC) / 50 ips for 720 x 288 (PAL)
- Password Protection . . . . . Menu Setup, Remote Access
- Software Upgrade . . . . . via SD memory card
- Picture Compression . . . . . M-JPEG
- Recording Capacity . . . . . 80, 160, 320 or 640 GB (1 or 2 fixed HDD) 1 CD-RW
- Memory Card . . . . . Supports SD memory card

**Physical**

- Weight . . . . . 15.45 lbs/34.06 kg (two hard drives)
- Dimensions . . . . . 430 x 55 x 405 mm (17 x 2 x 16 in), desktop or EIA (19 in) rack mountable

**Environmental**

- Operating Temperature . . . . . 5°C to 40°C (41°F to 104°F)
- Humidity . . . . . 30% to 80%
- Storage Conditions . . . . . -20°C to 60°C (-4°F to 140°F)

**Electrical**

- Power Interrupt . . . . . Auto recovered to recording mode
- Power Supply (adapter) . . . . . Input AC 100~240V, 47~63 Hz  
Output DC 12V, 5 A
- Power Consumption . . . . . 55 watts (12 VDC, 4.6 A)

**Regulatory**

- Emissions . . . . . FCC 15b, Class B  
EN55022: 1998/A1:2000/A2:2003 Class B  
EN61000-3 2:1995/A1:1998/A2:2003  
EN61000-3-3:1995/A1:2001
- Immunity . . . . . EN50130-4 (1996)
- Safety . . . . . CE  
UL 60950-1  
TUV EN 60950-1: 2001+A11  
C-Tick Australia  
PSE Japan

**Minimum Specifications for the EDVR Client Software**

- Processor . . . . . Intel Pentium III 750 MHz
- Memory . . . . . 256 MB RAM
- Operating System . . . . . Windows® 98, NT, ME, 2000, and XP
- Video Card . . . . . 4 MB of RAM capable of 24-bit true color display
- Free Hard Disk Space . . . . . 160 MB for software installation
- Network Card . . . . . 10Base-T network for LAN operation

