



Monitor sold separately.

EDVR

Embedded Digital Video Recorder

Features That Make a Difference:

- Full triplex operation allows simultaneous live or playback viewing and recording operations
- Available in 4, 9 & 16 channel desktop or rack mountable configurations with 2 audio channels
- Effectively manage video storage with adjustable camera settings, duration settings, and four hard drive configurations (80 GB, 160 GB, 320 GB, & 640 GB capacities)
- Embedded proprietary operating system ensures high reliability
- Remotely manage your system with the client software or a web browser
- Create up to 8 recording schedules and select the speed at which you view the recorded video
- 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
- Unalterable digital signatures of recorded video ensure authenticity
- Pre-alarm image recording puts your video clips in context
- User selectable NTSC and PAL video output
- Built-in CD-RW and Secure Digital (SD) card slot make it easy to export video clips and keep the system up to date
- Exports video clips in AVI format with digital signatures
- Available in English, Spanish, French, Italian and German

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 digital video management system (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. It also offers four storage configurations (80 GB, 160 GB, 320 GB and 640 GB) for added convenience.

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.

Basic System Diagram

From the powerful SpeedDome® Ultra 8 Programmable Dome Camera to the high-performance 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® Controller², 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 Quality 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, μ -law
- Audio Input 10k ohms, 2.6Vp-p (RCA)

Model Number Configuration for EDVRs

	BRAND	FEATURES	FAMILY	CHANNELS	STORAGE
<i>EXAMPLE</i>	AD	E	DVR	004	080
	AD	Embedded	Digital Video Recorder	004 = 4 channels 009 = 9 channels 016 = 16 channels	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/7.00 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

