



The 4-channel VideoEdge® IP Encoder connects analog cameras to video networks. Using Intellex IP, the encoder creates tighter integration of American Dynamics security solutions, plugging analog outputs into an American Dynamics surveillance environment that captures, displays, stores, retrieves, and analyzes security data over an IT network connection.

The VideoEdge IP Encoder interfaces with Intellex IP solution to create an integrated environment for configuring and managing large and complex surveillance systems that require remote access and control, interfacing with alarm services, data mining, and analytics capabilities.

The IP encoder converts outputs from analog cameras into proprietary American Dynamics Active Content Compression (ACC). ACC is a highly efficient video compression format developed to address the specific needs of the security industry. It compresses data up to 9 times more efficiently than comparable MPEG-4 and MJPEG compression technologies. Video streams from the encoder can be viewed via a Microsoft® Internet Explorer browser, Intellex Digital Video Management systems, Network Client, or Browser Client.

## VideoEdge® IP Encoder

### 4-channel IP encoder

#### Features That Make a Difference:

- Architecture developed to leverage Active Content Compression (ACC) technology
- Power over Ethernet
- Manage network bandwidth through per camera user-defined data stream limit
- Compatible with Intellex® IP
- 30 ips NTSC/25 ips PAL at 4CIF
- Access and control from web browser or Intellex IP interface
- Watchdog system monitoring with auto-reset
- Video loss detection
- Camera PTZ, focus, aperture adjustment, preset, and pattern controls for selected cameras
- Text stream input
- Multiple-level password protected user access
- 10Base-T/100Base-TX network support
- 1U form factor for shelf, wall, or rack mounting
- Compatible with Intellex IP v4.17 software or higher

The IP encoder creates a single IP video stream which consolidates four composite video inputs, up to four text streams, and four event inputs. Network bandwidth management monitors the compressed data stream for each camera, and each client, and limits the amount of data to a user controlled limit. System performance is further enhanced by sophisticated features like watchdog system monitoring with auto reset and video loss detection.

A versatile control interface can be used to adjust camera pan, tilt, zoom, focus, aperture, presets, and patterns for American Dynamics SpeedDome programmable dome cameras and for select third party PTZ domes.

The VideoEdge IP Encoder is a global solution designed for reliable performance across a wide range of temperature and environmental conditions. Its small form factor allows it to be rack or wall mounted, or to be placed directly on a shelf or a desk in close proximity to the video and text sources.

## Video

Number of Channels . . . . .	Four composite video inputs
Compression . . . . .	Active Content Compression (ACC)
Compression Levels . . . . .	Three quality settings (Super, Normal, Extended Record) and two sensitivity settings (Normal, High)
Video Formats . . . . .	NTSC and PAL, Composite 1V p-p, 75 $\Omega$ or High-Z
Frame Rate . . . . .	4CIF NTSC - up to 30 ips per channel 4CIF PAL - up to 25 ips per channel
Resolution (NTSC) . . . . .	Via Intellex IP: 704 x 480, 704 x 240, 352 x 240 Via Browser: See list above; also 640 x 480, 640 x 240, 320 x 240
Resolution (PAL) . . . . .	Via Intellex IP: 704 x 576, 704 x 288, 352 x 288 Via Browser: See list above; also 640 x 576, 640 x 288, 320 x 288
Connector Type . . . . .	Four each BNC

## Event Triggering

Event Inputs . . . . .	Four inputs, one per channel
Input Type . . . . .	TTL with pull up resistor to 3.3V, configurable as active high or active low
Connector Type . . . . .	Screw terminals on two piece connector
Video Loss Detection . . . . .	Event triggered on loss of camera video or network connection

## Text Recording

Text Inputs . . . . .	Up to four serial text streams (one is shared with RS-422 PTZ control)
Input Type . . . . .	ASCII text on RS-232
Connector Type . . . . .	Four each RJ-45

## Network

Interface . . . . .	Ethernet 10/100 Base-T
Ethernet Port . . . . .	RJ-45
Supported Protocols . . . . .	HTTP, TCP, DHCP (client)
Concurrent Streams . . . . .	Up to ten (total image rate depends on resolution and content)
Bandwidth Control . . . . .	Bandwidth limits can be set per camera, per stream

## Configuration Management

Configuration Setup . . . . .	Remote, via web browser
Web Browser . . . . .	
Requirements . . . . .	MS IE 6.x, MS IE 7.x, Java Script
Security . . . . .	Multi-level password protected access

## Camera Controls

Camera Protocols . . . . .	American Dynamics, Pelco P, Pelco D, Bosch, BBV StarCard
Camera Controls . . . . .	PTZ, focus, aperture, menu, presets (depending on camera model)
Interface Type . . . . .	RS-232, RS-422/485, SensorNet (American Dynamics SpeedDomes only)
Connector Type . . . . .	Screw terminals on two piece connector

## System

Processor . . . . .	720MHz TMS320DM642
Memory . . . . .	64 MB SDRAM, 8 MB Flash

## Power

Power Requirements . . . . .	12V DC, 12W max, 1.0A
Power Delivery . . . . .	Power over Ethernet (all models) or universal power supply (included with ADEIP4PS)
Power Connector . . . . .	PoE on RJ-45; 2.5 mm power jack

## Operating Conditions

Temperature . . . . .	0° to 50°C (32° to 122°F)
Humidity . . . . .	95% at 50°C (122°F) noncondensing

## Physical

Dimensions (L x W x H) . . . . .	22.1 x 11.3 x 4.3 cm (8.7 x 4.4 x 1.7 in)
Weight . . . . .	0.6 kg (1.3 lb)
Enclosure . . . . .	Metal
Mounting . . . . .	Rack, wall, desk

## EMC Certifications

USA . . . . .	FCC part 15 Class A
Canada . . . . .	ICES-003/NMB-003 Class A
Europe . . . . .	EN55022 Class A, EN50130-4
Australia / New Zealand . . . . .	AS/NZS CISPR22

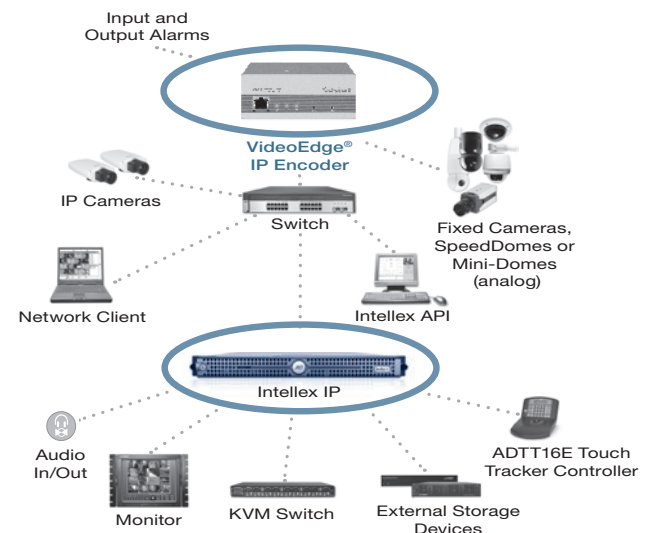
## Safety Certifications

UL . . . . .	UL60950-1, CSA C22.2 No. 60950-1
TUV GS . . . . .	EN60950-1
CB . . . . .	IEC60950-1

## Model Numbers

ADEIP4 . . . . .	Four channel encoder with Power over Ethernet
ADEIP4PS . . . . .	Four channel encoder with Universal Power Supply
ADEIP4RM . . . . .	Rack mount kit
ADEIP4WM . . . . .	Wall mount kit
ADEIP4PWRS . . . . .	12V DC Power Supply
ADEIP4RS232 . . . . .	Adapter from RJ-45 connector to RS-232 port

## Basic 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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