



DVTEL's video and audio decoder is a best-in-class solution for the most demanding security and surveillance application requiring the conversion of a single digital IP video input to analog IP video at the edge. The EV-101-D & EV-401-D decode up to four H.264 video streams, displaying up to four tiles on traditional CCTV monitors and on high-definition LCD or plasma monitors.

The decoders are equipped with four video streams in H.264 for up to 4x30 NTSC (4x25 PAL) FPS. This provides excellent video quality for demanding applications including use in Airports, Detentions/Prisons, Municipal applications, Seaports, Tollway/Traffic installations and more.

Bi-directional audio is available for users to remotely listen in to the area surrounding the camera and communicate with visitors or intruders.

IEEE compliant, DVTEL's entire line of encoders and decoders utilize the latest in multicast networking technology which enables a single stream to be transmitted to multiple viewers on the network simultaneously, further reducing bandwidth and providing more flexibility options for installation.

DVTEL offers a full line of IP cameras, encoders and decoders to meet your every need. Please visit <http://www.dvtel.com/products-solutions/> to explore your options.

#### EV-101 / EV-401 Key Features

- H.264 Video
- Multi-video Resolutions up to D1
- Up to 4x30 NTSC (4x25 PAL) FPS
- SD Slot Available
- Bi-directional Audio
- 2 Alarm Inputs / 1 Relay Output
- Unicast or Multicast
- 12VDC Power
- Single view or Quad view display
- Port 1xHDMI video output (EV-401-D)
- Port 1xBNC video output (EV-101-D)



#### General Specifications

Network	
Interface	Ethernet 10/100BaseT
Connector	RJ-45
Protocols	Transport: RTP/IP, UDP/IP, TCP/IP, or multicast IP Others: DNS, NTP, SNMP v1/v2c/v3 (MIB-II), TTP, HTTPS, DHCP client, 802.1x
Security	SSL-based authentication, password protected, HTTPS
Video	
Output	1 composite, 1 Vpp into 75 ohms NTSC/PAL
Connection	1 BNC Female
Compression	H.264
Performance	4 x D1/30 NTSC (25 PAL) FPS
Resolution	From CIF (352x240 pixels for NTSC, 352x288 pixels for PAL) to D1 (720x480 pixels for NTSC; 720x576 pixels for PAL)
Tiles	Maximum of 4 tiles on 1 monitor Tile display options: 1x1, 2x2
Video Latency	115 msec
Alarm	
Input	2 Dry Contacts
Output	1 Relay Contact, 48V AC/DC at 100 mA max
Audio	
Bi-Directional Audio	Input: -46 to -3 dBV inot 30 Kohms (line or microphone input) Output: -46 to -3 dBV inot 16 ohms min.
Audio Connections	1/8 in. (3.5 mm) stereo jacks
Serial Port	
Standards	RS-232 (max. 230 kbps) or RS-422/485 2/4 Wires (max. 230 kbps)
Connector	Pluggable Clip-Terminal Strip
Operating Mode	Transparent serial port supports any asynchronous serial protocol

Management	
Configuration	Remote: Via Web Access, Telnet, or Supported Video Management Software
Firmware Upgrade	Flash memory for upgrade of video codec and application firmware over the network
Regulatory	
USA	UL, FCC Part 15 (Subpart B, Class A)
Canada	ICES03 Class A
Europe	CE Marking (EN55022, EN55024)
Warranty	
	2-year limited warranty, covering parts

#### Physical, Electrical and Environmental

Physical	
Enclosure	1U Metal Enclosure
Finish	Black (anodized)
Physical	
Dimensions (L x W x H)	4.2L x 3.5W x 1.7H in. (106L x 90W x 42H mm)
Unit Weight	9.2 oz (0.26Kg)
Unit Shipping Weight	1.2 Lbs. (0.54Kg)
Electrical	
Input Voltage	12VDC ±10%
Power Consumption	4 Watts
Power Connector	12VDC included
Environment	
Operating Temperature	32°F to 140°F (0°C-60°C)
Storage Temperature	-4° F to 158° F (-20° C to 70° C)

#### Ordering Information

Power Supply	
DVT-PWR-DC18W	19W Power Supply for a single unit

#### Decoder Ordering Information

Type	Series	Number of Ports				
EV	-	X	0	1	-	D
Decoder with Audio	-	1-SD Series	0	1	-	D=Decoder
Decoder with Audio	-	4-HD Series	0	1		D=Decoder

Note: EV decoders are only compatible with EV series encoders.