DVTEL's video and audio encoders are a best-in-class solution for the most demanding security and surveillance applications requiring the conversion of a single analog video input to IP video at the edge. Using advanced video and audio compression technology, the EA-201 series provides a total of 60 Frames Per Second (FPS), video and high-fidelity audio, while maintaining a significantly lower file size providing improved network and storage management. Also available in an Extended Temperature version (EA-201-XT).

DVTEL's single port encoder is the preferred choice for anyone looking to migrate from an analog camera to an IP platform for use in airports, detentions / prisons, municipal applications, seaports, tollway/traffic installations and more.

The encoder is equipped with dual video streams in both H.264 and MPEG-4 (ISO) for up to 60FPS or 30 Frames Per Second (FPS) on two streams for viewing and recording with 100% image quality. This affords excellent image response and efficient bandwidth utilization.

The EA-201 series encoders provide the highest image quality at the lowest bandwidth and storage requirements. In most cases, these encoders can achieve high quality real-time 30/25FPS (NTSC/PAL) at D1 resolution starting at less than 1.5 megabits per stream.

Bi-directional audio is available for users to remotely listen in to the area surrounding the camera and communicate with visitors or intruders.
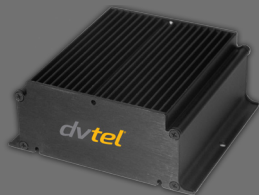
IEEE compliant, DVTEL's entire line of encoders utilize the latest in multicast networking technology which enables a single stream to be transmitted to multiple viewers on the network simultaneously, further reducing bandwidth and providing more flexibility options for installation.

Power over Ethernet supplies power to the encoder via the network cable, eliminating the need for additional cabling and reducing installation costs.

Key Features

- Dual-stream H.264/MPEG-4 video
- Multi-video resolutions up to D1
- Up to 2x30 NTSC (2x25 PAL) FPS
- SD slot available

- Bi-directional audio
- 2 alarm inputs/1 relay output
- Unicast or multicast
- 12 VDC/24 VAC and PoE

**DVTEL offers a full line of IP cameras and encoders to meet your every need.
Please visit www.DVTEL.com to explore your options.**

dvtel®
Now you can.

VIDEO INNOVATION TO SECURE YOUR BUSINESS

General Specifications

Network	
Interface	Ethernet 10/100BaseT
Connector	RJ-45
Protocols	Transport: RTP (unicast/multicast), TCP Others: DNS, NTP, HTTP Server, IGMP V1/V2, FTP Client, Telnet Client and DHCP Client
Video	
Input	Single composite video (both NTSC and PAL)
Connection	1 BNC Female
Compression	H.264/MPEG-4 ISO standard, Dual stream
Resolution	Up to D1
Frame Rate	NTSC - 60FPS or 2x30FPS in all resolutions & compression modes
Bandwidth	PAL - 50FPS or 2x25FPS in all resolutions & compression modes
Alarm	
Input	2 dry contacts
Output	1 relay contact, 60 VAC/VDC at 500 mA max.
Audio	
Bi-directional audio	Audio in: Line in audio Output: Line out Sample rate: 8 KHz
Audio connections	Via terminal block
Serial Port	
Standards	RS-422/485 2/4 wires (max. of 115.2 Kbps)
Connector	Terminal block
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	FCC UL C/UL
Europe	CE, RoHS
Warranty	
Electronics	2-year limited warranty, covering parts

Physical, Electrical & Environmental

Physical	
Enclosure	Aluminum case with flange mount (wall-mount)
Finish	Black (anodized)
Dimensions (LxWxH)	4.1 x 3.35 x 1.63 in. (104 x 85.5 x 41.5 mm)
Unit weight	9.2 oz. (0.26 kg)
Unit shipping weight	1.2 lbs. (0.54 kg)
Electrical	
Input voltage	12 VDC/24 VAC ± 10% or 802.3af PoE
Power consumption	5 Watts
Power connector	Terminal block (12 VDC/24 VAC) RJ-45 - 802.3af PoE
Environmental	
Operating temperature	Indoor: 32° F to 122° F (0° c to 50° C) Extended temp: -22° F to 140° F (-30° C to 60° C)
Storage temperature	-4° F to 158° F (-20° C to 70° C)

Encoder Ordering Information

Type		Series	MP Resolution	Intelligence Package		
EA	-	2	0	1	-	X
Encoder with Audio	-	2-Pro Elite Series	0 = D1	0 = none 1 = Intelligent multi-zone VMD	-	0 = Indoor XT = Extended Temperature
DVT-PWR-DC18W Power Supply	-				-	19W Power Supply for a Single Unit