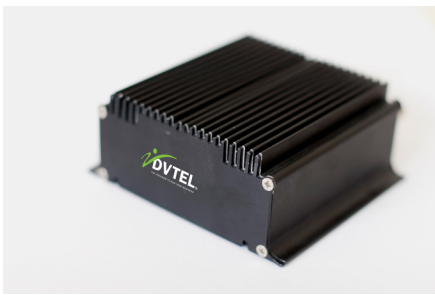


# DVTel EA201-0 Series Encoder

## Single Port H.264 Encoder at 60 FPS



- **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**
- **12VDC/24VAC and PoE**

### High Resolution H.264 / MPEG4 D1 Resolution Single Port Encoder

DVTel's video and audio encoders are a best-in-class solution for the most demanding security and surveillance application requiring the conversion of a single analog video input to digital IP video at the edge. Utilizing advanced video and audio compression technology, the EA201 series provides a total of 60 frames per second (FPS), high-resolution video and high-fidelity audio, while maintaining a significantly lower file size providing improved network and storage management.

DVTel's Single Port Encoder is the preferred choice for any customer looking to migrate from an analog cameras 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 2x30 Frames Per Second (FPS) on two streams for viewing and recording with 100% image quality. This affords excellent image response and efficient bandwidth utilization.

DVTel's Encoder provides 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 mega-bits 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.

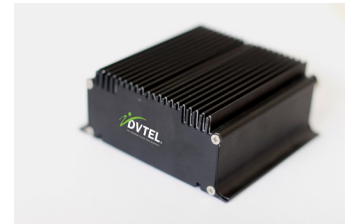
IEEE compliant, DVTel's entire line of Encoders utilize the latest in multicast networking technology which enables a single stream to be transmitted to multiple viewers on the network simultaneously, further reducing bandwidth and providing more flexibility options for installation.

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

**DVTel offers a full line of IP cameras and encoders to meet your every need. Please see our IP Camera and Encoder Family Guide at [www.dvtel.com/products/edge-devices](http://www.dvtel.com/products/edge-devices) to explore your options.**

# DVTel EA201-0 Encoder

## Single Port D1 Encoder



**EA201-0**

### 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/MPEG4 ISO Standard, Dual Stream
Resolution	Up To D1 / 1/2 D1
Frame Rate	NTSC – 60FPS or 2 x 30 FPS in all Resolutions and Compression Modes PAL - 50FPS or 2 x 25 FPS in all Resolutions and Compression Modes
Bandwidth	Configurable between 30 Kbps and 6 Mbps
Alarm	
Input	2 Dry Contacts
Output	1 Relay Contact, 60V AC/DC at 500 mA max
Audio	
Bi-Directional Audio	Input: -46 to -3 dBV into 30 KOhm Output: -46 to -3 dBV into 16 Ohms minimum Bandwidth 8khz
Audio Connections	Via Terminal Block
Serial Port	
Standards	RS-232, RS-422/485 2/4 Wires (maximum 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	
	2-year limited warranty, covering parts

### Physical, Electrical and Environmental

Physical	
Enclosure	Aluminum case with flange mount (wall mount)
Finish	Black (anodized)
Physical	
Dimensions (L x W x H)	4.1" x 3.35" x 1.63" (104 x 85.5 x 41.5mm)
Unit Weight	9.2 oz (0.26Kg)
Unit Shipping Weight	1.2 Lbs. (0.54Kg)
Electrical	
Input Voltage	12VDC / 24VAC ±10% or 802.3af PoE
Power Consumption	4.3 Watts
Power Connector	Terminal Block (12VDC / 24VAC) RJ45 - 802.3af PoE
Power Output	12VDC, 4.3W via Terminal block
Environment	
Operating Temperature	32°F to 122°F (0°C-50°C)
Storage Temperature	32° F to 140° F (0° C to 60° C)
Humidity	95% non-condensing at 122° F (50°C)

### Ordering Information

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

Type	Series	MP Resolution	Intelligence Package			Model
EA	2	0	1	-	0	N/P
Encoder with Audio	2-Pro-Elite Series	0 = D1	0 = None 1 = Intelligent Multi-Zone VMD	-	0	N - NTSC P - PAL