



EV-201 ENCODER

SINGLE-PORT ENCODER
FEATURING H.264 TECHNOLOGY

DVTEL's encoders are ideal for implementation in large, distributed networks, including point-to-point applications, where excellent video quality, a compact design, and storage and bandwidth optimization are key.

The EV-201 single port encoders couple superior video resolution up to D1 with the dramatically lower bitrate of H.264 video compression, reducing bandwidth and storage utilization up to 50% over MPEG-4. With support for up to three H.264 video streams at D1/30fps, camera tampering detection and storage on the edge — a failover mechanism that ensures video is recorded in case connection with the management software is lost — these devices deliver the high reliability of DVTEL's third-generation encoders, plus IT-friendly features, easy implementation and maintenance, and an environmentally friendly design.

IT Friendly and Easy to Manage

You can manage the EV-201 single port encoders just as you would any other enterprise IT asset and an embedded Linux operating system provides superior security and reliability.

You can configure these encoders using Latitude Control Center, DVTEL DNA™ software, or a DVTEL Web browser interface that also provides live video viewing. And, like all Latitude EV-201 Series devices, these single- and dual-port encoders are fully integrated with Latitude Video Management software — centralized device management, automated health monitoring, remote video viewing, and more — making it easier to view and manage large, geographically dispersed video operations and devices that are located in isolated or hard-to-reach locations.

Energy Efficient, with a Light Environmental Footprint

The compact, lightweight EV-201 encoders have a metal enclosure and need an external power Source (NOT SUPPLIED) for reduced energy consumption. These enterprise-class encoders are also certified compliant with RoHS, UL, CE, and other widely accepted safety and environmental standards and directives.

Advanced Video Technology with Lowest TCO

DVTEL® is at the forefront of networked video technology, with nearly two decades of experience delivering security intelligence solutions to government and industry worldwide. With the EV-201 single- and dual-port encoders, DVTEL provides versatile edge devices built on the latest video technologies, integrated with the industry's broadest video portfolio, and designed for lowest cost of ownership and operation.

More than 10,000 organizations in over 150 countries use our workforce optimization and security intelligence solutions to improve enterprise performance and make the world a safer place. For more information, visit www.DVTEL.com.

At A Glance:

- Single port video encoders with triple stream H.264 video compression, resolution up to D1/30fps
- Ideal for one camera video surveillance applications that require excellent video quality, optimal bandwidth and storage utilization, and lower cost of operation
- Enables organizations to realize the benefits of IP video using their analog cameras
- Reliable and IT friendly, with an embedded Linux operating system, and flexible configuration and maintenance
- Compatible with Latitude Video Management software and a DVTEL web interface for configuration and live video viewing
- Energy efficient and environmentally friendly, with a small form factor Latitude®
- EV-201 single- and dual-port encoders combine exceptional performance and an outstanding feature set with the low cost of ownership and operation associated with H.264 video compression technology.



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Technical Specifications

Video

- Input 1 composite, 1 Vpp into 75 ohms NTSC/PAL, BNC female
- Dual Streams 2 x H.264,
- Performance D1/30fps on all streams simultaneously for up to 6 Mbps in Latitude and 10 Mbps Web Interface.
- Compression H.264 (MPEG-4 Part 10/AVC) Main Profile
- Resolution Scalable from CIF (352x240 pixels for NTSC; 352x288 pixels for PAL) to D1 (720x480 pixels for NTSC; 720x576 pixels for PAL)
- Frame Rate 1-30fps NTSC, 1-25fps PAL programmable (full motion)
- Bandwidth Each stream configurable from 30Kbps to 6Mbps

Network

- Interface 1
- Protocols
- Security
- RJ-45, Ethernet 10/100 Base-T
- Transport: RTP/IP, UDP/IP, TCP/IP, RTSP, or multicast IP
- Others: DNS, NTP, SNMP v1/v2c/v3 (MIB-II), HTTP, HTTPS, DHCP client and 802.1x
- SSL-based authentication, password protected, HTTPS
- Serial and USB Ports

Electrical Levels

- Port 1: RS-232 (max. 230 kbps) pluggable clip-terminal strip or RS-422/485 2/4 wires (max. 230 kbps) pluggable clip-terminal strip
- Operating Mode Transparent serial port supporting any asynchronous serial protocol

Alarm

- Input 2 dry contacts
- Output 1 relay contact (48V AC/DC at 100 mA max.)

Audio

- Bi-Directional
- Connectors
- Input: -46 to -3 dBV into 30 Kohms (line or microphone input)
Output: -46 to -3 dBV into 16 ohms min. 1/8 in. (3.5 mm) stereo jacks

Power

- Supply Voltage
- Power Supply
- Power Consumption
- Max. Output Power 12V DC +/- 10% Max. 5W

Physical

- Enclosure - Metal case with flange mount (black)
- Dimensions 4.2L x 3.5W x 1.7H in. (106L x 90W x 42H mm)
- Weight 9.2 oz. (260 g)
- Operating Temperature 32°F to 140°F (0°C to 60°C)
- Humidity 95% non-condensing at 140°F (60°C)
- Firmware Embedded Linux-based operating system Management
- Configuration and Firmware Upgrade
- Supported through Latitude Control Center (single device and batch mode firmware upgrade), DNA, and Web browser interface (single device firmware upgrade)

Certification and Regulation

- USA
- Canada
- Europe
- RoHS compliant UL, FCC Part 15 (Subpart B, Class A) ICES03 class A CE marking (EN55022, EN55024)

Models

- 1-Port video encoder featuring H.264 technology with 1 bi-directional audio channel

Optional Accessories

- 19-inch rack mount panel for 8 units of the DVTEL EV-201 series
- Requires a 12VDC power supply (NOT INCLUDED)