PathWay EC

HEVC capable rack-mounted encoder/transmitter

PathWay EC is an HEVC capable adaptive bitrate encoder/transmitter in a 1U rack-mounted form-factor that delivers exceptional picture quality with low latency.

Ideal for installation in vehicles, portable flyaway kits, or standard 19” server racks, PathWay EC is a rack transmitter that encodes high-quality video and transmits over multiple IP connections, including cellular, Ethernet (LAN/WAN or Satellite), or Wi-Fi.

PathWay EC is a versatile solution for field contribution for newsgathering and remote production, even while moving. It can also be used as part of an emergency backup transmission solution to ensure business continuity in the event of loss of primary transmission capabilities.

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**ADAPTIVE HEVC (H.265) ENCODING**
Deliver higher quality video at lower bitrates; especially helpful in challenging cellular network conditions when bandwidth is limited.

**BROADCAST WHILE MOVING**
Connect to an array of external antennas mounted on a vehicle to go live while moving. Seamlessly switch from cellular to satellite, or CellSat transmission when on the scene.

**REMARKABLE PERFORMANCE**
Blending up to eight network connections, PathWay reliably delivers exceptional picture quality with low latency, even in challenging bandwidth conditions. Get your live shot where others can’t.

**EMERGENCY PREPAREDNESS**
Part of a portable disaster-recovery kit to provide a critical backup transmission solution and ensure uninterrupted broadcasts should the main feed fail during a storm, emergency, or sudden evacuation.
## PRODUCT SPECIFICATIONS

### VIDEO
- **LIVE**: Transmit broadcast quality live video over IP networks
- **STORE & FORWARD**: Record video for later transfer
- **LIVE AND STORE & FORWARD**: Transmit live while also recording video for later at a higher quality
- **TRANSFER WHILE RECORDING**: Video is transferred to a Dejero receiver while still recording
- **FILE TRANSFER**: Transfer edited video or other files to a Dejero receiver

### FORMATS
- 1080p 23.98/25/29.97/30/50/59.94/60, 1080i 25/29.97/30, 720p 50/59.94/60, 576i 25, 480i 29.97

### ENCODING
- MPEG-4 [H.264 AVC and H.265 HEVC], adaptive bitrate

### INPUTS
- HD/SD-SDI, HDMI (2.0a)

### RECORDING
- Up to 32 hours of HD (85GB of storage)

### AUDIO
- **ENCODING**
  - Live: Opus 48 kHz, 2-, 4-, or 8-channel
  - Recording: AAC 48 kHz, stereo or 4-channel
- **INPUTS**
  - Embedded (SDI, HDMI)

### NETWORK CONNECTIONS
- **CELLULAR**: Up to 6x 3G/4G/LTE
- **Wi-Fi**: Dual-band wireless (802.11 abgInlac), Open WEP, WPA-PSK and WPA2-PSK
- **ETHERNET**: 2 x 1 Gb/s port for LAN, WAN, and satellite (including BGAN, Ku-band, Ka-band)

### USER INTERFACE
- **CONFIGURATION AND MONITORING**
  - Front panel dial and OLED screen
  - Connected external display (DP or HDMI)
  - Web browser (Dejero Control)

### POWER
- **SUPPLY**: 100-240 VAC 50/60 Hz AC
- **CONSUMPTION**: Max 180 W

### PHYSICAL
- **DIMENSIONS (H x W x D)**: 1U 19" rackmount, 4.5 x 42 x 25 cm (1.75 x 16.5 x 9.8 inches)
- **WEIGHT**: 4.2 kg (9.2 lbs)
- **OPERATING TEMPERATURE**: -10 C to 45 C (14F to 113 F) qualified operation
- **20-90% RH (non-condensing)**

### INTERFACES
- SDI In (BNC), HDMI In, 2x RJ45 Ethernet, 1USB 2.0 (front), 4x USB 3.0 (rear), 3.5mm audio jack, DisplayPort out, HDMI out

### ADDITIONAL FEATURES
- **SMART BLENDING TECHNOLOGY**
  - Blend up to eight network connections, including 3G/4G/LTE, Wi-Fi, Ethernet (WAN/LAN and Satellite)

- **HYBRID ENCODING TECHNOLOGY**
  - Hybrid hardware/software encoding dynamically adapts in real-time based on the complexity of the video scene being captured and the network throughput

- **DUAL ENCODE MODE**
  - Simultaneously record and live transmit with 85GB of storage capable of up to 32 hours of HD recording

- **AES256 ENHANCED STREAM ENCRYPTION**
  - Keeps audio and video data secure when transported over public internet links. Protects valuable content from being stolen, misused, or interfered with.

- **ADAPTIVE HEVC**
  - H.265/HEVC compression provides better picture quality at low bitrates

- **CAPTURE HIGH-MOTION CONTENT**
  - 20Mbls when connected via Ethernet

- **SELECTABLE LATENCY**
  - 1.5/3.0/8.0 seconds or custom preset from 0.8 - 20 seconds

- **VEHICLE-MOUNTED**
  - Easily connects to external antennas for in-vehicle solutions

- **IFB**
  - Communicate with talent in the field using IFB

- **BACKWARDS COMPATIBILITY**
  - Fully backward compatible with non-HEVC Dejero receivers

- **MULTICHANNEL AUDIO**
  - Choose 2, 4, or 8 different simultaneous audio inputs

- **DEJERO CONTROL**
  - Geolocate field units, preview feeds, route content, and monitor usage and performance using our cloud-based management system

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**Contact us to learn more about PathWay EC**

**Dejero**

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**Full specifications available at dejero.com/pathway**

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