Dejero

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.

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

VIDEO

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 a/b/g/n/ac), 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, 1 USB 2.0 (front), 4x USB 3.0 (rear), 3.5mm audio jack, DisplayPort out, HDMI out

SDI IN   HDMI IN   RJ45 ETHERNET   3.5MM   DP 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
20Mb/s 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

COMMITTED TO SAFETY
FC   CE   IC