

Dejero

EnGo 263

LTE mobile transmitter

Reliable, simple to use, and built tough, EnGo 263 is designed to securely transmit high-definition, real-time tactical video from the field.

Featuring our renowned *Smart Blending Technology* that aggregates multiple networks for enhanced reliability and expanded coverage, the dependable EnGo 263 enables the transmission of real-time video from unmanned aerial systems (UAS) and other camera sources. With enhanced situational awareness, commanders can make smarter, faster decisions to keep their field personnel safe, and coordinate more effective responses.

Worn in a backpack or mounted in a command vehicle for use with roof-top antennas, EnGo 263 provides maximum versatility for transmitting real-time tactical video.



SBT / Smart Blending Technology

HYBRID ENCODING TECHNOLOGY

RESILIENT WIRELESS TECHNOLOGY



Unmatched Reliability

World-class RF and antenna design combined with unique *Smart Blending Technology* enables ultra-reliable transmission in the most challenging environments.



Enhanced Security

A Trusted Platform Module that authenticates your device combined with AES256 encryption and a security-hardened Linux OS ensures secure transmission.



Built Tough for Field Use

Rugged design features aircraft-grade aluminum construction and polycarbonate ABS bumpers to protect from shocks and drops.



UAS Interoperability

Deliver real-time video from aerial vantage points provided by unmanned aerial systems. Take your drone program to new heights.

Product Specifications

Key Functions

Live	Transmit high-quality, real-time video over IP networks
Recording	Record video for later transfer
Live and Recording	Transmit live while also recording video for later transfer at a higher quality
Wi-Fi Hotspot	Internet access over a single network connection, preserving remaining connections for video

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	H.264 AVC and H.265 HEVC, adaptive encoding
Bitrates	Live bitrate up to 20 Mbps, Store and Forward bitrate up to 15 Mbps
Inputs	HDMI, IP (MPEG-TS, RTMP, RTSP)
Output Options	SMPT E 2110, MPEG-TS, Content Delivery Networks (CDNs), Social Networks, MultiPoint

Audio

Encoding	Live: Opus 48 kHz, 2-channel 16-128 kbps adaptive bitrate, 16-bit audio depth Recording: AAC 48 kHz, stereo or 4-channel
Inputs	Embedded (HDMI)

Network Connections

Cellular	6 x 3G/4G/LTE-A, compatible with external 5G modems
Ethernet	Dual 1 Gbps port for LAN, WAN, and portable satellite (including BGAN, Ku-band, Ka-band)
Wi-Fi	Dual-band wireless-AC with Wi-Fi 6 (802.11 a/b/g/n/ac/ax), Open WEP, WPA-PSK and WPA2-PSK

Power

Internal Battery	Internal battery provides over 3 hours of run time
External Battery	Easily accessible Gold Mount or V-Mount plates in backpack or use included D-Tap cable
External DC	100-240 VAC adapter, 19VDC 90W (included)

Physical

Dimensions (H x W x D)	21.8 x 14.2 x 8.4 cm (8.5 x 5.6 x 3.3 inches)
Weight	1.9 kg (4.2 lbs)
Operating Temperature	0° C to +45° C (32° F to 113° F) mounted 0° C to +40° C (32° F to 104° F) in backpack up to 95% RH (non-condensing)
Screen	5" capacitive touchscreen
Interfaces	HDMI in, HDMI out, 2 x RJ45 Ethernet, 2 x USB 3.0, IFB output (3.5mm), Intercom audio (3.5mm), DC in, wired remote
Accessories Included	Backpack with wired remote External battery charging plate for V-Mount or Gold Mount batteries D-Tap power connector cable Audio cables for IFB (XLR and 3.5mm) and Intercom (3.5mm) HDMI video cable Backpack cover for weather protection

Key Features

Smart Blending Technology

Aggregate 3G/4G/LTE-A, external 5G, Wi-Fi, Ethernet, and portable satellite connections

Hybrid Encoding Technology

Hardware/software encoding dynamically adapts in real-time based on the complexity of the video scene being captured and the network throughput

Resilient Wireless Technology

Advanced RF and antenna design for ultra-reliable transmission and reception

AES256 Enhanced Stream Encryption

Keeps audio and video data secure when transported over networks

Easy to Use

5" capacitive touch screen provides simple operation, status information, and in-field control

Ergonomic Backpack

Includes shoulder-mounted wired remote, sun shade, simplified cable management, and space for optional external battery

Vehicle Antenna Dock

Mount inside a vehicle and connect to external antennas with optional dock

Internal and External Battery Options

Over 3 hours of battery life from rechargeable internal battery, plus optional use of external batteries for extended runtime

Dejero Control

Remotely control and geolocate transmitters, preview real-time feeds, assign output, and monitor usage and performance data

Certifications



Full specifications available at dejero.com/lengo-263



Contact us to learn more about EnGo 263

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