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.

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 Mpbs, Store and Forward bitrate up to 15 Mpbs

Inputs
HDMI, IP (MPEG-TS, RTMP, RTSP)

Output Options
SMPTE 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 (802.11a/b/g/n/ac/ax), Open WEP, WPA-PSK and WPA2-PSK

Power

Internal Battery
Internal battery provides over 3 hours of runtime

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

Certifications

Full specifications available at dejero.com/engo-263

Contact us to learn more about EnGo 263

dejero.com
connect@dejero.com
+1 519 772 4824

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