



5G Flyaway

Portable Bonded LTE/5G Connectivity for sports and linear channel backup



The OBE 5G Flyaway brings professional broadcast encoding to the bonded cellular market. Tier 1 sports broadcasts can now be transmitted over 5G at high bitrates with strict MPEG-TS compliance for interoperability, 4:2:2 10-bit video and 16-channel audio. It contains powerful external antennas that can be mounted at height using Power-over-Ethernet to reach as many cell towers as possible. In addition, fibre and satellite internet (e.g Starlink/OneWeb) can be bonded for maximum assurance.

The 5G Flyaway can also be used as a fibre backup for linear channels. By placing antennas on the roof of a facility, any issues with fibre can be seamlessly avoided with automatic failover to bonded cellular. Critical features such as Closed Captions and SCTE markers are maintained.

In many cases this avoids the need for costly backup fibre paths.





TECHNICAL SPECIFICATIONS

INPUT

- Up to 4 C-100 or C-200 encodes from SDI
- Low latency (<100ms) CBR H-264 encoding
- 4:2:2 video sampling, up to 10-bit (C-200) or 8-bit (C-100)
- All SD/HD/3G SDI formats supported
- Up to 16 SDI audio channels per encode

OUTPUT

- Fully DVB compliant MPEG Transport Stream
- UDP/RTP (including 2022-7 seamless switching)
- SMPTE 2022-1 FEC
- SRT (Caller/Listener), RIST ARQ, Zixi
- Transport Stream passthrough for satellite uplink

CONNECTIVITY

- Up to 8 WAN connections, via Ethernet RJ45 switch ports
- Up to 8 PoE LTE/5G modems included (optional)
- Wired or satellite Internet (e.g Starlink, OneWeb) also supported

MODEMS

- 5G (NSA/SA) bands; n1/3/7/8/20/28/38/40/75/77/78
- LTE bands B1/3/7/8/20/28/32/38/40/42/43
- Antenna: 6.5 dBi (directional) 4 dBi (omnidirectional)
- Upload speed: up to 280Mbps (5G) or 150Mbps (LTE)
- Connection status LEDs
- Configurable SIM profiles for steering to set network operators

MANAGEMENT

- Remote access via software VPN
- Local access via secondary encoder Ethernet port
- Native web interfaces for encoder, Zixi and modems
- VLAN/Syslog/SNMP support
- Port Security, IP/MAC address filtering

ENVIRONMENT

- Operating temperature (case): 0°C to 50°C
- Fanless switch
- IP65 rated outdoor modems
- Operating temperature (modems): -40°C to 60°C

POWER

- AC input: 120V @ 60Hz / 230V @ 50Hz
- Switch PoE (up to 130W) for LTE/5G modems

DIMENSIONS

CASE

- 566 x 356 x 242 mm / 22.3" x 14" x 9.5"
- Weight: 12kg / 26.5lb (excl. modems)
- Aircraft cabin sized

MODEMS

- 190 x 109 x 32mm / 7.5" x 4.3" x 1.3"
- Weight: 0.5kg / 1.1lb

