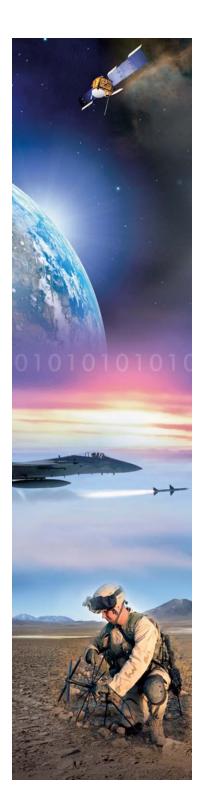
Airborne ENTR Embedded National Tactical Receiver





L-3 Telemetry-West's (L-3 TW) Airborne ENTR system is a 13-pound integrated IBS receiver used to bring near real-time intel data to pilots and crew.

The two-box system incorporates a fully certified USB ENTR and special mount to process not only legacy broadcasts but the future Common Interactive Broadcast (CIB). Bringing IBS data to the crew in near real time during long duration



missions, this solution will fill the gap between information on legacy situational awareness systems and the intelligence briefings. The Airborne ENTR system provides the functionality of legacy receivers at a dramatic reduction in size, weight and cost.

Although this system is specifically designed for use on aircraft platforms, it has the capability to be used on a wide variety of environmentally demanding platforms that require processed intel data. These include: command posts, naval surface vessels and terrestrial vehicles. The system's backward compatibility to legacy terminals and small, lightweight form factor will greatly reduce required integration time.

FEATURES

- · Receipt of near real-time intelligence
- Battlefield and situational awareness
- Threat assessment data
- Targeting and retargeting information
- 4-channel reception
 - Dynamic channel reconfiguration
 - Any combination of data channels (IBS-S,TADIXS-B, one channel IBS-I)
- MATT-compatible
- Embedded decryption
- MIL-STD-1553, RS-422, RS-232, and Ethernet interface
- · Embedded data filtering
- · Data conversion to standard formats
- Fully reprogrammable, including crypto
- NSA certified
- CIB ready (SW/FW upgrade only)
- · Remote declassification



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Specifications

Receivers

4-channel IBS receiver capable of receiving IBS-I (TIBS), IBS-S (TDDS) and TADIXS-B broadcasts

Fully reprogrammable crypto

8.9 x 6.5 x 5.3 inches

13 lbs (USB ENTR and Smart Mount)

MIL-STD-704 28 VDC or 115 VAC, 400 Hz

Provision for a 3.3 VDC pass-through to the USB ENTR Key hold up

Windows XP OS processor capable of running TRS in MATT compatibility mode

Removable flash drive provides means to declassify unit

Non-operating -55°C to +90°C

Interfaces

Dual-redundant MIL-STD-1553

Ethernet (IEEE 802.3 capable)

2 serial interfaces (RS-232 and RS-422)

Either MATT-compatible interface (PtP, KBP, 1553) or TRS (Tactical Receive Segment) Interface

Compatible with wide range of existing TDPs (Falconview, TRS, Gale, TNT, etc.)

Remote declassification

Provides 3.3 VDC input for Key hold up

Weight less than or equal to 13 lbs

Environmental Qualification

Operational temperature -40 to +55 degrees C

Storage temperature -54 to +95 degrees C

Altitude 60,000 ft

Explosive atmosphere MIL-STD-810F, method 511.4

Vibration MIL-STD-810F category 12 and 14

Shock 40 G's 5 milliseconds

Sand and dust operation and non-operation

Salt spray MIL-E-5400

Fungus operational and non-operational

Humidity and rain less that 95% non-condensing

Dripping water MIL-STD-210 and MIL-STD108, 10 minutes

Fluid contamination MIL-STD-810F Method 504

EMC MIL-STD-461F

- -CE 102/106
- -CS 101/103/104/105/114/115/116
- -RE 102/103
- -RS103

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