INTEGRATED BROADCAST RECEIVER - MINIATURIZED (IBR-MINI)

SMALLEST AND MOST COMPLETE IBS RECEIVER.
The Leonardo DRS Integrated Broadcast Receiver - Miniaturized (IBR-Mini) provides the most comprehensive near real time situational awareness and intelligence picture worldwide. It is a stand-alone interoperable beyond line-of-sight (BLOS) emissions controlled (EMCON) broadcast receiver for millions of threat, survivor, and Blue Force Tracking (BFT) reports daily without the need for data forwarders.

The IBR-Mini is the miniaturized next generation Air Force Tactical Receive System-Ruggedized (AFTRS-R), yielding a two-thirds size and weight reduction while maintaining all functionality. It provides red side processing for filtering, correlation, and translation; therefore, freeing up platform processors for other mission functions. It is a four-channel, software defined terminal that delivers IBS via the Common Interactive Broadcast (CIB) waveform and is reprogrammable for future waveforms. The IBR-Mini is the world’s only IBS receiver designed with a modular bolt-on transmit upgrade option to the JTT-Mini. The IBR-Mini can provide simultaneous CIB receive and UHF SATCOM secure voice, text, and data transmit via the Integrated Waveform (IW) or the Mobile User Objective System (MUOS) waveform.
INTEGRATED BROADCAST RECEIVER (IBR-MINI)

HIGHLIGHTS

- Provides critical Beyond Line Of Sight (BLOS) situational awareness information (threat, survivor, and Blue Force Tracker) near real-time
- Ruggedized for Air, Ground and Maritime operations
- Standalone terminal with red side processing to maximize platform resources for mission functions
- Maintains all the functionality of the Air Force Tactical Receive Segment-Ruggedized (AFTRS-R) in a 2/3 size and weight ruggedized form factor
- World’s only IBS receiver designed with a modular bolt-on transmit upgrade kit
- Provides simultaneous CIB and secure voice, data, and text via Integrated Waveform (IW) or Mobile User Objective System (MUOS) communications
- Four (4) channel software defined radio
- Field-upgradeable firmware/software
- Supports up to ten users simultaneously
- Dynamic channel reconfiguration
- Reprogrammable for additional and future waveforms
- 28 VDC on board power supply
- Capability to hold cryptographic keys for more than one year after external power is removed
- Supports Dashboard, and Joint Control Client (JCC)
- JITC and NSA Type-1 certification
- SCA compliant

GENERAL FEATURES

- Key fill via front panel or remote fill panel interface
- Broadcast reception simultaneous receive on up to four (4) channels
- Internal data correlation, via PICES
- Supports Tactical Receive Segment (TRS) or Joint Tactical Terminal (JTT) software

SPECIFICATIONS

<table>
<thead>
<tr>
<th>PHYSICAL FEATURES</th>
<th>Dimensions</th>
<th>11.20 L x 6.00 W x 3.00 H inches</th>
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<tbody>
<tr>
<td>Weight</td>
<td>8.5 lbs. (&lt;4.53 kg)</td>
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<tr>
<td>ELECTRICAL FEATURES</td>
<td>Interfaces</td>
<td>Two (2) redundant MIL-STD-1553B USB Two (2) RS-422/RS-232 Ethernet</td>
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<td></td>
<td>Input Power</td>
<td>18 VDC to 32 VDC (28 VDC nominal)</td>
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<td>ENVIRONMENTAL FEATURES</td>
<td>Temperature</td>
<td>-40° F to 158° F (-40° C to +71° C) (operating)</td>
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<tr>
<td></td>
<td>Altitude</td>
<td>70,000 ft. Mean Sea Level (operating)</td>
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