

JTT-R

Joint Tactical Terminal - Receiver



WORLD-WIDE SITUATIONAL AWARENESS CAPABILITY

The Joint Tactical Terminal - Receiver (JTT-R) provides four channels of secure reception of satellite communications (SATCOM) for critical, near real-time multi-source threat, survivor, and Blue Force Tracker data. It enables world-wide situational awareness capability by connecting tactical users and intelligence nodes.

The Leonardo DRS family of terminals provide red side processing for filtering, correlation, and translation; therefore, freeing up platform processors for other mission functions. They are all multi-channel, software defined terminals that deliver IBS via the Common Interactive Broadcast (CIB) waveform today and is reprogrammable for future waveforms. With an upgrade kit, the terminals can provide simultaneous CIB receive and UHF SATCOM secure voice, text, and data using either the Integrated Waveform (IW) or the Mobile User Objective System (MUOS) waveform.



JOINT TACTICAL TERMINAL - RECEIVER (JTT-R)

HIGHLIGHTS

- Provides critical beyond line of site (BLOS) situational awareness information (threat, survivor, and Blue Force Tracker) Near Real-Time
- Supports simultaneous CIB and IBS-S reception
- Standalone terminal with red side processing to maximize platform resources for mission functions
- Four (4) channel software defined radio
- Dynamic channel reconfiguration
- Field-upgradeable firmware/ software
- Supports up to ten users simultaneously
- Capability to hold cryptographic keys for more than 1 year after external power is removed
- Reprogrammable for additional and future waveforms
- NSA Type-1 Certified
- MIL -STD-704 compliant on board power supply
- Integrated Spectrum Analyzer
- Onboard environmental monitoring (temperature protection, battery life)



PERFORMANCE SPECIFICATIONS

PARAMETER	DESCRIPTION
Broadcast reception	Four (4) channel operations
Operating modes	CIB and IBS-S
Key holdup	AEK - 1 year, TEK/KEK -1 year
Keyfill	Front panel or remote fill panel interface
Data correlation	Internal, via PICES
Growth	4-channel software defined - reprogrammable for additional waveforms

PHYSICAL SPECIFICATIONS

PARAMETER	DESCRIPTION
Dimensions	12.52 L x 7.34 W x 7.98 H inches (width excluding plenum inlet tube)
Weight	24.5 lbs.

ELECTRICAL SPECIFICATIONS

PARAMETER	DESCRIPTION
Interfaces	Two (2) redundant MILT-STD-1553B ports and Ethernet
Input power	28 VDC, and 115 VAC (60 Hz)

ENVIRONMENTAL SPECIFICATIONS

PARAMETER	DESCRIPTION
Temperature (operating)	-40°F to 160°F (-40°C to +71°C)
Temperature (storage)	-67°F to +212°F (-55°C to +100°C)
Altitude (operating)	Up to 70,000 ft. mean sea level

Airborne & Intelligence Systems

Tactical Systems
2601 Mission Point Blvd., Suite 250
Beavercreek, OH 45431 USA
T +1 937 306 3375
TacticalTerminals@drs.com

Cleared for Public Release DRS Advanced ISR, Inc. dated May 12, 2017. Export of DRS Advanced ISR, Inc., Inc. products is subject to U.S. export controls. Licenses may be required. This material provides up-to-date general information on product performance and use. It is not contractual in nature, nor does it provide warranty of any kind. Information is subject to change at any time. Copyright © DRS Advanced ISR, Inc. 2020. All Rights Reserved.

Rev 03 | May 2020