



10/PP, 10 NET

ISR DATA LINK SYSTEM

#MilitaryCommunication



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10/PP, 10 NET

## ISR DATA LINK SYSTEM

### Applications of ISR Data Link System

- Transmission of payload info (image, video, sensor data etc.) from platforms to the ground operator in near real-time
- Transmission of related commands and marking info on received image from ground personnel to platform

Intelligence, Surveillance And Reconnaissance (ISR) Data Link System is indigenously designed to meet all ISR and Tactical Data Link requirements.

### Technology

Hardware compatible with waveform features such as

- Moduler based hardware design
- Different coding and modulation options with respect to range and channel capacity
- GPS independent communication solution
- Different waveform mods

### General Specifications

- Indigenous design
- Software defined architecture
- Embedded TRANSEC and COMSEC crypto capability
- Flexible and modular architecture; configurable depending on different data rate, range and frequency band requirements
- Low SWAP
- Point-to-point and Point-to-Multipoint Communication
- High data transmission rate support
- High speed frequency hopping capability
- Automatic relay capability
- MANET (Mobile AdHoc Network) capability
- Low latency Multi hop data transmission capability
- Antenna tracking and steering capability
- Analog and digital video interface support

### Technical Specifications

- |                            |   |
|----------------------------|---|
| • Frequency Range          | : L/S to Ka band                                |
| • Data Rate                | : 3 Mbps - Up to 80 Mbps                        |
| • Video Encode/Decode      | : H.264 & H.265                                 |
| • Environmental Conditions | : MIL-STD-810                                   |
| • EMI/EMC                  | : MIL-STD-461                                   |
| • Supply Voltage           | : 28 – 32 VDC<br>(MIL-STD-704 and MIL-STD-1275) |
| • Operating Temperature    | : -40°C to +55°C                                |
| • Storage Temperature      | : -55°C to +85°C                                |



Specifications are subject to change without any notice. | All tolerances are within  $\pm 10\%$ .