C·D·L·S·

COMMON DATALINK SYSTEM

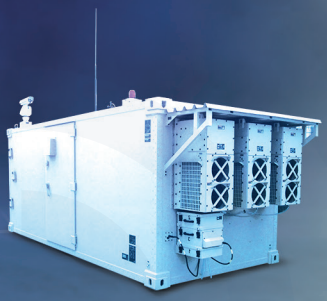
Savronik



300 km
Line Of Sight Range

Air Data Terminal

C·D·L·S·



Ground Control Station



Ground Data Terminal

Savronik Ku Band Data Link System is a full-duplex, common data link solution for Intelligence, Surveillance and Reconnaissance (ISR) platforms with its various I/O ports and unique architecture for country specific encryption cores.

Data Link System is a turnkey solution consists of Ground Data Terminals (GDT) and an Air Data Terminals (ADT) designed for manned and unmanned platforms. Air/Ground Data Terminal is able to capture multiple sensors, transmit video over Ethernet interface in real time, drive directional antennas for long LOS ranges and maintain seamless direct IPconnectivity between aircraft and ground control station.

Savronik Ku Band Air/Ground Data Terminal's flexible architecture also allows user to integrate custom encryption cores which can be country specific cores as well.

Combining a high gain Auto Tracking Directional Antenna on the ground and Air Data Terminal with a Directional Antenna, secure video and telemetry link is set over a LOS distance of 300 km.



AIRBORNE



MARITIME



HANDOVER



GPS/AUTO TRACKING



AUTOMATIC SIGNAL TRACKING



SECURE RF LINK (DSSS,FHSS)



AES-256



CERTIFIED



CERTIFIED

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GENERAL SPECIFICATIONS

Data Rate	: Downlink	: 137.088, 44.73, 21.42, 10.71 Mbps
	Uplink	: 200,400 kbps, 2 Mbps
RF Frequency	: Downlink	: 14400-14830 Mhz
	Uplink	: 15150-15350 Mhz
Output Power	: Downlink	: 10W
	Uplink	: 5W
Link Security	: DSSS (Direct Spread Spectrum Sequence) FHSS (Frequency Hoping Spread Spectrum)	
Range	: 200 km (108 nmi) 99% availability 300 km (162 nmi) 95% availability	
Modulation and Coding	: BPSK, QPSK, OQPSK 1/2, 2/3, 3/4	
Encryption	: AES-128, AES-256 or User Type	
Latency	: < 10 ms between two nodes	
Video	: Over Ethernet	
Multiplexing	: IP Data, Compressed Video, Audio Synchronous & Asynchronous Data	
Maintenance	: JTAG and Programming Interface	
Network	: Layer-3 Ethernet Switching and filtering. Unicast/ Multicast/ Broadcast Flow	
Monitor	: Built In Test Capabilities	

USER INTERFACES

Ground Data Terminal	Military Type F/O Ethernet : RS232 10/100 Ethernet
Air Data Terminal	GPS : RS422 RS232 28 VDC Power (MIL-STD-704F Compatible)

APPLICATIONS

- UAV Links, ISR Applications
- Manned Fixed and Rotary Wings Aircrafts
- Unmanned and Manned Ground Vehicles
- Unmanned and Autonomous Surface Vessels
- Ship borne Application
- Search and Rescue Operations

ENVIRONMENTAL COMPLIANCY

Operating Temperature	: -32°C, +50°C Ground -40°C, +55°C Air
Storage Temperature	: -33°C, +60°C Ground -55°C, +70°C Air
Low Pressure Altitude	: Operation @ 10500ft Ground Operation @ 30000ft Air Storage @ 37000ft Both
Vibration	: MIL-STD-810G Method 514.6
Shock	: MIL-STD-810G Method 516.6
Humidity	: RH%95 ±%4

ADDITIONAL SPECS

HANDOVER and AIR RELAY



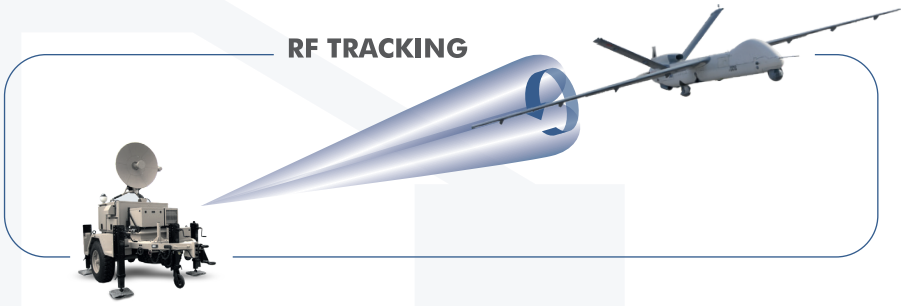
OPTIONAL RADOME



EMI/EMC

MIL-STD-461/464 Compliant

RF TRACKING



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