

LINE OF SIGHT (LOS) COMMUNICATION FOR AIRBORNE PLATFORMS



**SECURE AND ROBUST POINT TO POINT
COMMUNICATION LINK**

OVERVIEW

CTECH LOS Communication solution for UAVs;

- Provide continuous real-time point-to-point link for Command & Control and video transmission,
- Assures seamless connection for UAVs even under extreme environmental conditions,
- Provide a robust link in extended range operations.

DESCRIPTION/FEATURES

CTECH provides end to end LOS communication solution for UAVs. The solution consists of antenna, RF components and modem on the air platform and paired equipment on the ground segment. CTECH LOS solution provides point-to-point full-duplex communication link. The uplink maintains real-time control and data where as the downlink transfers payload to the ground segment. Embedded video encoder in the modem allows HD and SD video transmission simultaneously.

CTECH LOS communication solution is suitable for military, government and civilian applications, including;

- Command & Control
- Intelligence, Surveillance, Reconnaissance
- Electronic warfare
- Law Enforcement
- Communication
- Crop and Disaster Management
- Search and Rescue

SPECIFICATIONS

- Operating Frequency: Ku/Ka Band
- Data Rates: Up to 20 Mbps
- DVB-S2 and custom waveform
- H264 simultaneous HD/SD Video Compression
- TRANSEC: Direct Spread Spectrum (DSSS)
- Encryption: AES-256

