



# AUTOTRACKING ANTENNA SYSTEM

## GENERAL DESCRIPTION

TUALCOM Ground Terminal that was designed to be used along with TUALCOM Data Links ensures long range communication for airborne platforms and UAVs.

The system can be used on both mobile and fixed platforms. User friendly interface and quickly deployable structure provide practical usage especially for mobile applications.

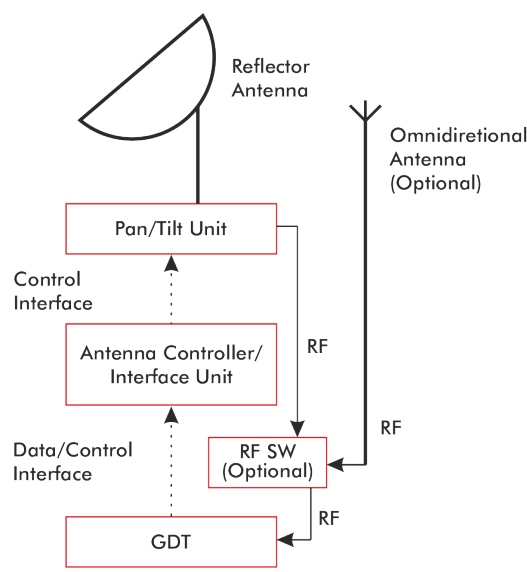
Together with TUALCOM Data Links, system provides full duplex / half duplex bidirectional communication over a distance of 200 km with GPS auto-tracking functionality.

## ANTENNA TRACKER SYSTEM

AutoTracker Antenna can be integrated to the TUALCOM Data Link systems.

Ground Terminal with AutoTracker Antenna Terminal ensures full duplex bi-directional communication for long ranges over 200 km. Ground Station is composed of Ground Data Terminal, Geopointing Antenna Controller/Interface Unit, Pan/Tilt Unit and Reflector Antenna, Heavy Duty Tripod, Mechanical Interfaces and Cable Assemblies.

User friendly interface and quickly deployable structure provide practical usage especially for mobile applications.



# AUTOTRACKING ANTENNA SYSTEM



## L/S BAND

### Frequency

1.3 - 2.4 GHz

### Antenna Gain

> 20 dBi

### Tracking

> 200 km

### Controller

Geopointing Antenna Controller Unit  
with Automatic North Finder

### Coverage

360° Pan, 120° Tilt  
(Optionally 180° Tilt)

## C BAND

### Frequency

4-6 GHz

### Antenna Gain

> 30 dBi

### Tracking

> 200 km

### Controller

Geopointing Antenna Controller Unit  
with Automatic North Finder

### Coverage

360° Pan, 120° Tilt  
(Optionally 180° Tilt)



C BAND UAV  
DATA LINK



LS BAND UAV  
DATA LINK



L BAND TDMA MESH  
(ADHOC) DATA LINK



S BAND TDMA MESH  
(ADHOC) DATA LINK

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