



AUTOTRACKING ANTENNA SYSTEM

GENERAL DESCRIPTION

TUALCOM Ground Terminal was designed to be used along with TUALCOM Data Links and 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.

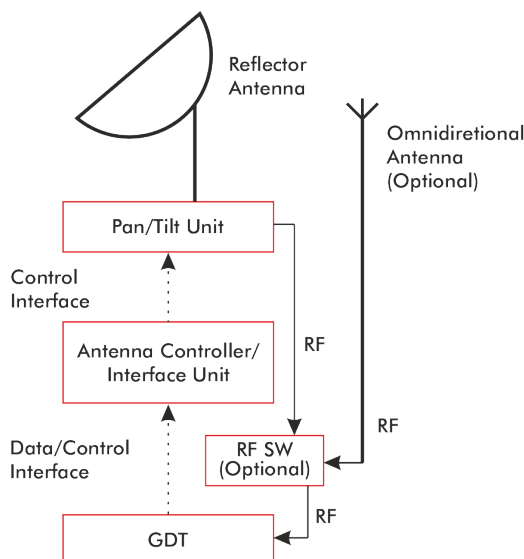
Together with TUALCOM Data Links, system provides full duplex / half duplex bidirectional communication over a distance of 200 km with GPS auto-tracking functionality.

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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