UAV ANTENNA TRACKING UNIT

Ground tracking antenna maximizes radio communication range between the drone and ground control station, it allows to use of the maximum potential of the data link. Our tracking antenna system can be equipped with a directional high-gain antenna and Omni-directional backup data link to optionally keep track of the UAV. Also, we have a video camera, which allows having visual control over your drone close to midrange distance. Our system fully supports Pixhawk-based drone and MAVLink protocol.

UAV antenna tracking unit including:

- Telescopic mast;
- Quadropod;
- Antenna tracker;
- Spare parts;
- Transport cases.



TECHNICAL SPECIFICATIONS:

Features and advantages:

- DATA Rates:
- Software Selectable:
- Simultaneous:
- Power outputs:
- AES Encryption:
- High bandwidth connectivity to unmanned aircraft at distances:
- Continuous rotation:
- Control Software Mavlink:

> 10Mbps;
> 433 MHz, 900MHz, 2.4GHz & 5.8GHz;
IP and Serial Data transmission;
1W and 4W RF;
128-bit ;

up to 100 km; 360°; Mission planner;

| UKR SPEC_systems | |
|--|---|
| IP65 Rating: Reliable signal strength and GPS aligned data-links Real time monitoring of signal and data quality. | Aluminum enclosure. |
| System Specifications: | |
| Frequency options: Position calibration: Serial Interface: Ethernet: Polarization: Environmental: Set up time with tripod: Set up time with mast: | UHF, L-, S-, C-band; Visual positioning control; RS-485; 100Base-T; Dual polarized Vertical/ Horizontal polarization; MIMO system; IP54 rated; 15 minutes / 2 person; 20 minutes / 3 person; |
| Pointing Accuracy: | <10. |
| Power Requirements: | |
| Input voltage:Input current: | 24V; 4A. |
| Mechanical: | |
| Azimuth rotation: Elevation rotation: Height above ground: ✓ with mast: ✓ with tripod: Tracking head payload: Temperature: Humidity: | 360° continuous; -30°C +90°C; 6 m; 2,5 m; 10 kg; -25°C +45°C; 5-95%; |
| Dimensions: | |
| Spread out telescopic mast with th tracker installed: Transports cases (from the bigger | |

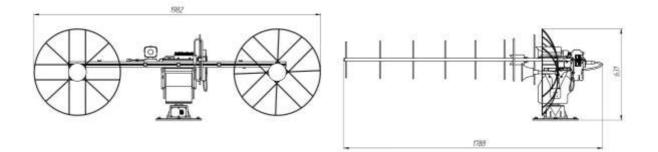
- Weight of the telescopic mast with installed antenna tracker:
- Weight with transport cases:

3. 1720x570x260 mm;

200 kg;

370 kg.







www.ukrspecsystems.com