



DRONE GUTS INC

LONG RANGE TRACKING ANTENNA SYSTEM



The DroneGuts Inc Long Range Tracking Antenna System is designed to provide the ultimate in long range. Enabling reliable, high quality video and telemetry delivery between your UAV and the ground control station.

Our long range tracking antenna has demonstrated the ability to provide quality real-time video at a range of up to 30 miles. Using telemetry data transmitted from the UAV the parabolic dish antenna automatically points to the Unmanned Aircraft wherever it is in the sky. A diversity receiver and omnidirectional antenna provide a failsafe for the video signal.

Tracking antenna is designed for high wind loading the pan/tilt are secured to an extremely sturdy and rugged tripod. The tripod elevates to about six feet for operation and collapses to less than three feet for easy transport. . Antenna tracker hardware includes antenna array, pan tilt setup, pan tilt controller, heavy duty tripod and all necessary cables and software for operation.

Antenna can be configured to meet a number of frequency requirements. Quick setup in less than 5 minutes.

SPECIFICATIONS

AUTONOMOUSLY POINTS ANTENNA ARRAY AT UNMANNED AIRCRAFT USING TELEMETRY DATA COMING FROM THE UAV

UP TO 30 MILE RANGE LINE OF SIGHT

360° PAN, 90° TILT, AUTONOMOUS TRACKING OF UNMANNED AIRCRAFT

SUPPORTS ANTENNAS FOR BOTH VIDEO AND TELEMETRY

HEAVY DUTY TRIPOD EXTENDS TO 6 FEET.

QUICK RELEASE CONSTRUCTION ALLOWS FOR EXPEDIENT ASSEMBLY AND DISSASSEMBLY WITHOUT THE NEED FOR TOOLS.

INCLUDES ALL CABLES NECESSARY FOR OPERATION

OPTIONAL ENCRYPTED DIGITAL DATA LINK

INCLUDES CONTROL SOFTWARE

OPERATES FROM INCLUDED 11.1V 5000 MAH LITHIUM ION POLYMER BATTERY

SYSTEM INCLUDES

LIGHTWEIGHT BLACK ALUMINUM TRIPOD

HEAVY DUTY PAN & TILT MOTOR SYSTEM

GROUND CONTROL SOFTWARE

TECHNICAL SUPPORT

(2) 8 METER USB CABLES

8 METER AUDIO/VIDEO CABLE

OPTION 1:

2.4GHZ 24 DBI PARABOLIC GRID DISH ANTENNA, 10 DBI 2.4GHZ OMNIDIRECTIONAL ANTENNA & DIVERSITY VIDEO RECEIVER, 900 MHZ 9 DBI YAGI ANTENNA & RADIO MODEM, CABLES, BATTERY

OPTION 2:

5.8GHZ 27 DBI PARABOLIC GRID DISH ANTENNA, 12 DBI 5.8GHZ OMNIDIRECTIONAL ANTENNA & DIVERSITY VIDEO RECEIVER, 900 MHZ 8 DBI YAGI ANTENNA & RADIO MODEM, CABLES, BATTERY