



Model ASI 90 COTM Ku-Band Antenna

The ASI 90 COTM Ku-Band Antenna System is a carbon fiber, parabolic, ring focus, dual reflector system. It provides superior gain, is highly robust, and has excellent tracking capability via an Integrated GPS/INS tracking system.



Antenna Size	0.9 Meter
Stabalization & Tracking Mode	Three Axis Stabilization (Az, El & Roll)
Dimension (Diameter X Height)	113 X 105 cm
Antenna Weight	100 kg
Frequency Range	Rx: 10.70~12.75GHz, Tx: 13.75~14.50GHz
Antenna Type	Ring Focus
Antenna Gain	Rx: 38.30dBi (11.725GHz), Tx: 39.90dBi (14.125GHz)
Polarization	Linear
Cross-Polarization Isolation	≥33 dB
Angular Acceleration	Az: 200°/s ² , El: 200°/s ² , Roll: 200°/s ²
Tracking Accuracy	>/-0.2°RMS
Antenna Rotation	Az: 360° Continuous, El: 20°~110°, Roll: ±20°
Capture Time	≤120s (static); ≤180s (dynamic)
Re-acquisition Time	Short time loss (<60s): <3s; Long time loss (≥60s): <10s
INS	Built-in
Power Input	AC220V 50Hz
Temperature	-40°C ~ 65°C

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