

Model ASL 90 COTM Ku-Band Antenna System



The ASL 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.

Aperture Size	0.9m
Stabilization and Tracking Mode	Three axis stabilization and tracking (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	≥33dB
Angular Acceleration	Az: 200°/s ² ; El: 200°/s ² ; Roll: 200°/s ²
Tracking Accuracy	>/-0.2°RMS
Antenna Rotation	Az : 360°Continue; 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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