

## COTM Model ASL 90 0.9 meter Ku-Band

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	0.9 m
Stab. and Tracking Mode	Three axis stab and tracking (Az ,El &Roll)
Dimension (Diamx 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 <sup>2</sup> ; El: 200°/s <sup>2</sup> ; Roll: 200°/s <sup>2</sup>
Tracking Accuracy	>/-0.2°RMS
Antenna Rotation	Az : 360°Continute; 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

