



SOTM-KU08A Low Profile Ground Mobile Terminal

2-way vehicular Satcom antenna for ground mobile broadband communications

SOTM-KU08A is a cost effective Ku band 2-way vehicular Satcom antenna for ground mobile broadband communications, supporting On-The-Move high data rates. Easy to install and to maintain.

Low profile and compact size & weight
Integrates wide band passive radiation structures with polarisation tracking capability, full RF-transceiver (including BUC GaN 25w), several axis motorised mechanical system and pointing-tracking in a low profile (H<20cm), compact size and light weight.

Satellite Communications On the Move
For mobile emergency communications, police, homeland security, governmental organizations, search & rescue teams, news gathering, private security, and any on the move real-time video, voice and data applications.



New: Hispasat type approved

TECHNICAL SPECIFICATIONS

ELECTRICAL	
Frequency band:	Receive: 11.75 - 12.75 GHz (optionally 10.95 - 12.75 GHz) Transmit: 13.75 - 14.5 GHz
Polarization:	Dual Linear (Electronic Polarization Tracking)
Gain:	Receive: 33.5 dBi Transmit: 31.5 dBi
Uplink EIRP:	> 42 dBW
Antenna G/T:	11 dB/K at 30° elevation
Cross Polarization:	> 25 dB
ENVIRONMENTAL	
Operational temperature:	-25°C to +55°C (-32°F to +131°F)
Relative humidity:	10-100% condensing

COVERAGE & TRACKING	
Elevation angle range:	20-70°
Azimuth angle range:	360°
Polarization angle range:	+/- 180°
Azimuth tracking:	60°/s, 400°/s ²
Elevation tracking:	30°/s, 120°/s ²
Initial satellite acquisition & lock:	< 10 sec (typical), fully automated with integrated GPS
Satellite re-acquisition:	< 2 sec
PHYSICAL & INTERFACES	
Antenna dimensions:	110 L x 89 W x 20 H cm (43 x 35 x 8 in)
Antenna weight:	< 35Kg (<77 lb)
RF (L-band):	50Ω, N, TNC, SMA connector
Power supply:	24 V DC / 220 V AC (optional: 12V / 48 VDC)
Consumption:	< 300 W