



DITEL KA60

Ka-Band: 65cm Maritime Communication Antenna System



Featuring a compact size and lightweight design, Ditel KA60 maritime VSAT satellite communication antenna system is ideal for both smaller vessels with space constraints and bigger vessels. With its 5 patent technologies, KA60 offers superior tracking performance to users. It supports remote control by PC and mobile, video monitoring, broadband, video conference, VoIP and other network applications.

Features

- SkyFocus™** super high gain antenna. Ring focus rear feed antenna providing extra high communication performance.
- Watchman™** double inertial guidance project. High tracking accuracy and stability by double inertial guidance project and Ditel's distinctive Algorithm patent.
- Tri-Door™** smart failure testing. Checking peripheral equipment automatically, preventing system malfunction.
- Singfinger™** one-click operating system. Innovative, simplified & easy operation interface, ACU status viewing and parameters input with single button.
- LightenLife™** built-in WIFI interface. Remote processing system on mobile terminal are available.

Physical Parameters

Radome height	85cm (33.46 inch)
Radome diameter	75cm (29.50 inch)
Reflector diameter	65cm (25.59 inch)
Radome color	White/Blue
Radome materials	ASA/ABS
Weight	30kg (66.13 lbs)
Environmental humidity	0 ~ 95 %
Operating temp. range	-20°C ~ 60°C
Waterproofing grade	IP56
Satellite band	Ka-Band
Antenna type	Ring focus rear feed antenna
ACU size	330*210*44.5mm
Packing materials	Carton with pallet

Tracking Parameters

Stabilization forms	2-axis stabilized: Azimuth, Elevation
Tracking forms	2-axis tracking: Azimuth, Elevation
Tracking & location mode	Built-in inertial guidance & BD/GPS
AZ range/ tracking rate	Unlimited/ ±8°@15S
EL range/ tracking rate	-5°~95°/ ±15°@5S
Initial lock	≤1.5Min
Re-lock after break lock time	Break lock<1Min; Re-lock<1Min Break lock≥1Min; Re-lock<2Min
Tracking brake system	Azimuth, Elevation

Communication Parameters

TX frequency	29.0~30.0GHz (Ka-Band)
TX gain	≥44.3dBi (29.5GHz)
RX frequency	17.8~20.2GHz (Ka-Band)
RX gain	≥40.5dBi (19.4GHz)
G/T	15.9dB/K (Clear sky, 30° Elevation)
Power input	AC 100V~240V/ 50Hz
Power output	DC 24V
Static power	40W (Without BUC power)
Dynamic power	50W (Without BUC power)
BUC power	4W/ 5W/ 10W (Optional)
LNB	Ka-Band LNB (L.O. 16.75/ 17.35/ 17.65/ 18.05GHz)
Axial ratio	<1.5dB
Polarization	Circular polarization
Min. EIRP	50.4 dBW typ. @ 29.5 GHz

WARRANTY

2-Year parts