DITEL

DITEL V61

Ku-Band: 65cm Maritime Communication Antenna System

Made in China

Featuring a compact size and lightweight design, Ditel V61 is a 65cm Ku-band maritime VSAT antenna system which is ideal for smaller vessels with space constraints. With its 3-axis stabilized platform and 5 patent technologies, V61 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

1. SkyFocus™ super high gain antenna.
Ring focus rear feed antenna providing extra high communication performance.
2. Watchman™ double inertial guidance project.
High tracking accuracy and stability by double inertial guidance project and Ditel›s distinctive Algorithm patent.
3. Tri-Door™ smart failure testing.
Checking peripheral equipment automatically, preventing system malfunction.
4. Singfinger™ one-click operating system.
Innovative, simplified & easy operation interface, ACU status viewing and parameters input with single button.
5. 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	45kg (66.13 lbs)
Environmental humidity	0 ~ 95 %
Operating temp. range	-20°C ~ 60°C
Waterproofing grade	IP56
Satellite band	Ku-Band
Antenna type	Ring focus rear feed antenna
ACU size	330*210*44.5mm

WARRANTY

2-Year parts

Tracking Parameters

Stabilization forms	3-axis stabilized: Azimuth, Elevation, Roll
Tracking forms	4-axis tracking: Azimuth, Elevation, Roll, Skew
Tracking & location mode	Bulit-in inertial guidance & BD/GPS
AZ range/ tracking rate	Unlimited/ ±8°@15S
EL range/ tracking rate	-10°~105°/ ±20°@5S
Roll range/ tracking rate	±30°/ ±20°@5S
Skew range/ tracking rate	±167.5°/ ±20°@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, Roll

Communication Parameters

TX frequency	13.75~14.5GHz
TX gain	37.8dBi (14.25GHz)
RX frequency	10.7~12.75GHz (Ku-band)
RX gain	36.7dBi (12.5GHz)
G/T	14.2dB/K (Clear sky, 30° Elevation)
Power input	AC 100V~240V
Power output	DC 24V
Static power	45W /O BUC
Dynamic power	55W /O BUC
BUC power	4W/ 5W/ 10W (Optional)
LNB	Ka-Band LNB
Cross-POL isolation	>30dB
Polarization	Linear polarization
Min. EIRP	46dBW