DITEL

DITEL V81

Ku-Band: 83cm Maritime Communication Antenna System

Made in China

Ditel V81 maritime VSAT satellite communication antenna system offers exceptional value and superior RF performance, ensuring easy operation on board as well as access to remote support whenever it needs. With its 3-axis stabilized platform and 5 patent technologies, it suits for large vessels, such as commercial vessel and wind installation vessel. Ditel V81 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	102cm (40.16 inch)
Radome diameter	104.6cm (41.18 inch)
Reflector diameter	83cm (32.7 inch)
Radome color	White/Blue
Radome materials	ASA/SMC
Weight	64kg (141 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	±35°/ ±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, Skew

Communication Parameters

TX frequency	13.75~14.5GHz
TX gain	40.0dBi (14.25GHz)
RX frequency	10.7~12.75GHz (Ku-band)
RX gain	38.9dBi (12.5GHz)
G/T	17.0dB/K (Clear sky, 30° Elevation)
Power input	AC 100V~240V
Power output	DC 24V
Static power	50W /O BUC
Dynamic power	60W /O BUC
BUC power	4W/6W/8W/16W
LNB	Ka-Band LNB (L.O. 9.75/10.6/11.3GHz)
Cross-POL isolation	>30dB
Polarization	Linear polarization
Min. EIRP	44dBW