DITEL

DITEL V101

Ku-Band: 105cm Maritime Communication Antenna System

Made in China

Ditel V101 is a 105cm Ku-band maritime VSAT antenna system ideal for global commercial vessels, offshore vessels, oil and gas platform etc. With its 3-axis stabilized platform and 5 patent technologies, Ditel V101 offers superior high tracking performance, supporting remote control by PC and mobile, video monitoring, broadband, video conference, VoIP and other network applications. By selecting different satellite, V101 can offer services to deep ocean vessels which have high request on broadband.

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	139.5cm (54.9 inch)
Radome diameter	128.5cm (50.6 inch)
Reflector diameter	105cm (41.3 inch)
Radome color	White/Blue
Radome materials	ASA/SMC
Weight	100kg (220 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/ ±6°@15S
EL range/ tracking rate	-15°~115°/ ±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	41.9dBi (14.25GHz)
RX frequency	10.7~12.75GHz (Ku-band)
RX gain	40.8dBi (12.5GHz)
G/T	18.4dB/K (Clear sky, 30° Elevation)
Power input	AC 100V~240V /50Hz
Power output	DC 24V
Static power	60W /O BUC
Dynamic power	70W /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	42dBW