

Ditel V81

Ku-band: 83cm Marine communications antenna system

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 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-key operation system
Interactive action of state control and parameter input with single button
 - 5.LightenLife™** built-in WIFI interface, remote processing system on mobile and PC terminal are
- 6.3-axis stabilized , 4-axis tracking

Physical Parameter

Radome height	102cm (40.16 inch)
Radome diameter	104.6cm (41.18 inch)
Reflector diameter	83cm (32.7 inch)
Radome material/color	SMC&ASA/ White&Blue
Weight	64kg/141lbs
Waterproof level	IP56
Environmental humidity	0 ~ 95%
Operating Temp. Range	-20°C ~ 70°C
AUC size	33*21*4.8cm
Packing materials	Crate with pallet

Tracking Parameter

Platform	3-axis stabilized,4-axis tracking
Tracking mode	Built-in inertial guidance
Location mode	BD/GPS location system
Motor Brake System	Elevation, Cross Level,Azimuth and Skew
AZ range / tracking rate	Unlimited/ ±8°@15S
EL range / tracking rate	-10°~110°/ ±20°@6S
Roll range / tracking rate	±35°/ ±20°@6S
LNB skew range/tracking rate	±167.5° / ±20°@6S
Initial lock	≤90 S
Re-lock after break lock Time	Break lock < 2min : <1.5min Break lock >2min : <10min

Communication Parameter

TX frequency	13.75~14.5GHz
TX gain	40.0dBi (14.25Ghz)
RX frequency	10.75~12.75GHz 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	100 W /O BUC
Dynamic power	140W /O BUC
BUC power	4W/6W/8W/16W
Min.EIRP	44dBW
Polarization	Linear polarization
Side lobe envelope	ITU-RS.580-6 standard
Cross-POL isolation	> 33dB
Antenna type	Ring focus rear feed antenna
LNB	Ku-Band LNB (L.O. 9.75Ghz/10.6GHz/11.3GHz)

WARRANTY

2-Year parts

*Specifications subject to change without notice

**Measured with Radome

