



DITEL S81

Ku-band: 83cm Marine
Satellite TV Antenna System



Ditel S81 is a marine satellite TV antenna system that has excellent satellite signal reception capability with a 83cm (32.70") reflector. It is widely used in anywhere in the world as long as the area of Minimum EIRP is over 44dBW. 3-axis is preferred in the vicinity of the equator.

Features

1. Friendly multi-platform user interface.
2. The function of switching satellites globally.
3. LNB compatible with circular polarization or linear polarization.
4. High performance and high stability.
5. Automatic tracking and skew control.
6. Uninterrupted viewing of full Ku-band channel.

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	55kg (121.2 lbs)
Environmental humidity	0 ~ 95 %
Operating temp. range	-20°C ~ 70°C
Waterproofing grade	IP56
Satellite band	Ku-Band
Antenna type	Ring focus rear feed antenna
ACU size	260*180*45mm

WARRANTY

1-Year parts

Tracking Parameters

Stabilization forms	3-axis stabilized: Azimuth, Elevation, Roll
Tracking forms	4-axis tracking: Azimuth, Elevation, Roll, Skew
Tracking & location mode	Built-in inertial guidance & BD/GPS
AZ range/ tracking rate	0°~680°/ ±8°@15S
EL range/ tracking rate	-10°~110°/ ±20°@6S
Roll range/ tracking rate	±35°/ ±20°@6S
Skew range/ tracking rate	±167.5°/ ±20°@6S
Initial lock	≤2Min
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

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 100~240V
Power output	DC 24V
Static power	40W
Dynamic power	50W
LNB	Ku-band LNB (L.O. 9.75/10.6/11.3GHz)
Polarization	Linear polarization
Min. EIRP	44dBW