Maritime COTM

Description

Ship-borne terminal station supports voice, image, video and data transmission in the sea. By using multi-axis stable tracking technology, it can ensure the stable communication under rugged and bumpy sea conditions. Ship-borne terminal can be applied to marine research, ocean exploration, fishery industry, marine tourism, etc.

Applications

- Marine Research
- Oil Exploration
- Coastal Defense Patrol
- Ocean Transportation
- Disposal of Emergencies on Ocean

Key Features

- Communication standard: DVB-S2/S2X, DVB-RCS/RCS2.
- Multiple types of shipborne antenna: Ku band 0.6m, 0.8m, 1.0m, 1.2m, 1.8m, etc.
- One-touch automatic operation and signal tracking, and fast tracking recovery. Initial search time≤3min, tracking recovery time<3s when missing goal less than 1 min.
- Support satellite beam handover.
- Support star network.
- Support TCP/HTTP acceleration, QoS and ACM function.
- IP67 level protection, salt spray proofing and withstanding 12 strong winds.

Anovo

Maritime COTM

Technical Specifications

Antenna Diameter	0.6m, 0.8m, 1.0m, 1.2m, 1.8m
Frequency	TX: 13.75GHz~14.50 GHz RX: 10.7GHz~12.75GHz
Power	24VDC
Temperature	Operating: -30°C-+55°C Storage: -35°C -+70°C
Antenna	
Stable type	Three axis stable balance
Polarization	linear polarization
VSWR	≤1.3
Transceiver isolation	≥85dB
Cross polarization isolation	≥30dB
First side lobe	≤-15dB
Antenna rotation range	Azimuth: 360° Elevation: -5~110° Polarization: ≥210°
Search time	≤3min
Tracking accuracy	0.2°
Protection level	IP67
BUC	
Output power	6W, 16W, 25W, 40W
LNB	
Gain	60dB
Modem	
Standard	Outbound:DVB-S2/S2X, Inbound:DVB-RCS/RCS2
Frequency	950~2150MHz
Symbol rate	Outbound:1M-125Msps
	Inbound：125K~8Msps
Modulation	Outbound：QPSK:1/4,1/3,2/5,1/2,3/5,2/3,3/4,4/5,5/6,8/9,9/10; 8PSK: 3/5,2/3,3/4,5/6, 8/9, 9/10; 16APSK:2/3,3/4,4/5,5/6,8/9,9/10; 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10; Inbound：QPSK:1/3,1/2,2/3,3/4,5/6； 8PSK: 2/3, 3/4, 5/6
Roll-off	Outbound:0.05,0.10,0.15,0.20,0.25,0.35,Inbound:0.2
Protocol	TCP/IP, UDP, FTP, HTTP, IPv4, IPv6, DHCP, NAT, PAT, SNMP