

NAUTI 200 C+Ku TVRO



TECHNICAL DETAILS

ANTENNA PARAMETERS

Dish diameter	2,00m
Radome diameter	2,80m
Parabolic dish	one piece/six pieces
Above deck equipment	mass 170 kg without radome
Minimum E.I.R.P.	36,5dBW for Ku band; 37 dBW for C band
The minimum E.I.R.P. levels	specified for minimum quality TV picture at receiver threshold for C/N = 7 dB
Down converter Ku-LNB	Quattro, noise figure, 0,2 dB typical
Frequency band Ku band	10,7GHz – 12,75 GHz
Polarization Ku	linear
Skew	-90° +90°

NAUTISAT srl

Down converter C band 17K
Frequency band C band 3,7GHz – 4,2 GHz
Polarization band C circular left and right

STABILIZATION

Stabilization type Active on three axis
Motors Type brushless servomotors

Operation angles

Elevation 0° +110°
Tilt ± 30°
Azimuth ± 350°

Ship movement

Pointing accuracy 0,1°
Roll ± 30° in 6 sec
Pitch ± 30° in 6 sec

RADOME

Type 4 pieces plus base plate
Diameter 2,8 m
Material foam/fiberglass sandwich
Attenuation No rain 0,2dB

ENVIRONMENT**Above deck**

Temperature -20°C to +55°C
Humidity up to 100% at +40°C
Spray and icing Radome protected
Protection water splash resistant from every direction
Rain up to 100 mm/h
Wind 130 Knots
Corrosion metal part hot dip galvanized; all components selected for marine usage
Vibration Meets Inmarsat requirements

Below deck

Temperature 0°C to + 40°C
Humidity Up to 100% R.H. at + 40°C
Power requirement 220V, 50-60Hz, 50W