

# NAUTI TVRO 360 Ku+C TVRO 360 C



Suitable for all vessels, Nauti TVRO models are designed to provide a strong signal for TV and HDTV channels for Ku-band, Ku-Band and C-Band, C-Band, and are compatible with most leading satellite providers in the world.

Very easy to install the TVRO models are real Plug-and-Play Marine antenna systems.

Nautisat marine satellite antenna systems represent the state of art of television receive only system for small, medium and large vessels. Yachts, cruise ships, commercial vessels can travel greater distances offshore and still receive a better signal also at zenith position and even in the harshest marine conditions imaginable. Nautisat antenna systems is suitable also for oil and gas platform.

All models have 3 axis stabilization and can be completely monitored, managed and logged using the Nautisat RWI (Remote Web Interface) or directly from the ACU (antenna control unit) integrated with 4,3" touch screen control panel.

NAUTI 360 Ku+C NAUTI 360+C  
TVRO (Television Receive Only) STABILIZED ANTENNA

## TECHNICAL DETAILS

### ANTENNA PARAMETERS

Dish diameter 3,60m  
Radome diameter 4,20m  
Parabolic Dish *Nautisat eight piece 3,6m carbon fiber sandwich*  
Above deck equipment mass 350 kg without radome  
Minimum E.I.R.P. 28 dBW ( for C Band ), 30,4 dBW for KU Band )  
*The minimum E.I.R.P. levels are specified for minimum quality TV picture at receiver threshold for C/N = 7 dB*  
Down Converter Ku - LNB Quattro, noise figure, 07 dB typical and C - LNB Dual  
Frequency band Ku band 10.7 GHz- 12.75 GHz - C Band 3.7 GHz - 4.2 GHz  
Polarization *linear*

### STABILIZATION

Stabilization type *Active on three axis, with inertial reference and conical scan tracking*  
Motors Type *Brushless servomotors*

### Operation angles

Elevation  $-20^{\circ} + 115^{\circ}$   
Tilt  $\pm 30^{\circ}$   
Azimuth *unlimited*

### Ship Movement

Pointing accuracy  $0.1^{\circ}$   
Roll  $\pm 30^{\circ}$  in 6 sec.  
Pitch  $\pm 30^{\circ}$  in 6 sec

### RADOME

Type *12 pieces plus base plate*  
Diameter 4,2m  
Material *foam / fiberglass sandwich*  
Attenuation *No rain 0.2 dB*

### ENVIRONMENT

Above deck  
Temperature  $-20^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$   
Humidity *up to 100% at  $+40^{\circ}\text{C}$*   
Spray and icing *Radome protected*  
Protection *water splash resistant from every direction*  
Wind *130 Knots*  
Corrosion *metal part hot dip galvanized; all components selected for marine usage*  
Vibration *Meets Inmarsat requirements*

### Below deck

Temperature  $0^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$   
Humidity *Up to 100% R.H. at  $+40^{\circ}\text{C}$*

Power Requirement 220 V, 50-60 Hz, 50 W



**NAUTISAT**  
connecting fleet  
over the seas

## TVRO Models:

- Nauti 60
- Nauti 90
- Nauti 120 – 2
- Nauti 120 – 2 M
- Nauti 180 Ku
- Nauti 180 Ku + C
- Nauti 240 Ku
- Nauti 240 Ku + C
- Nauti 240 C
- Nauti 300 Ku + C
- Nauti 300 C
- **Nauti 360 Ku+C**
- **Nauti 360 C**

CNC Machined Aluminium and Stainless Steel modular structure

Maximum Receive Efficiency with the prime focus RN Feed

3 axis stabilization system with independent skew

Extra wide pointing range with elevation spacing from  $-30$  to  $+120$  degrees and tilt from  $-30$  to  $+30$  degrees

Extreme component standardization and maintenance simplicity

Extremely easy to install and operate

Automatic satellite pointing and identification

Rugged, accessible and transparent to radio frequency radomes

Maximum system integrability

Remote control interface through LAN or over internet