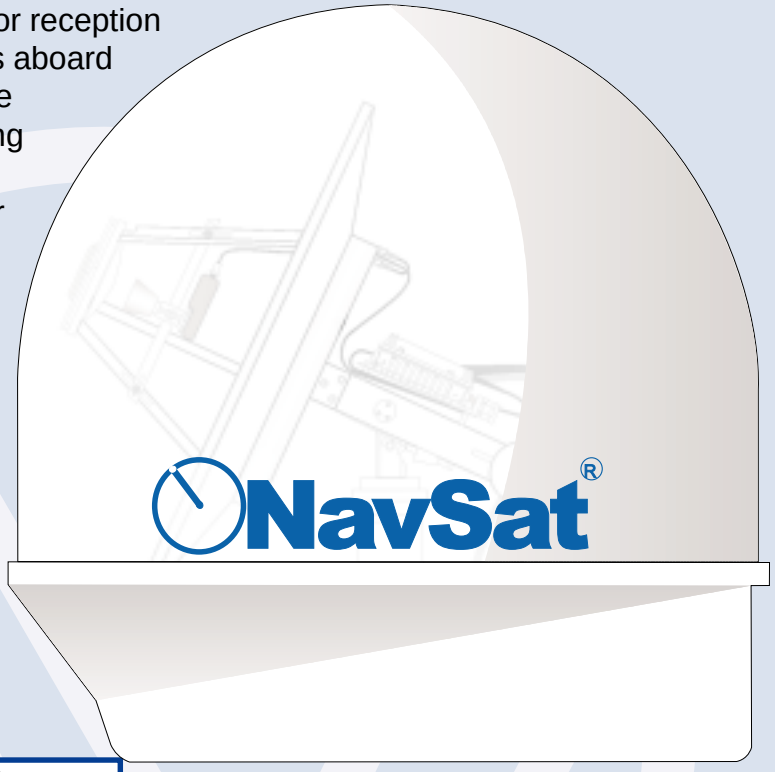
Satellite Antenna NavSat® 120

The NavSat 120 is an antenna for reception of Ku-band TV-satellite transmissions aboard ships. To ensure durability in a marine environment, the antenna's supporting structure is in stainless steel and anodized aluminium and the reflector in glass/carbon-fibre composite. CPU, tracking receiver and motor drivers are housed in plug-in, water protected modules.

The antenna uses the ship's gyro and GPS to locate the correct satellite and thereafter locks on to it with an internal tracking system. Changing satellites, monitoring signal strength and tracking perfomance etc. is made via a PC with Windows 95 or 98 operating system.



TECHNICAL SPECIFICATIONS

(For standard figuration)

Antenna diameter:	1.2 m
Radome diameter:	1.4 m
Weight:	80 kg
Included antenna wiring:	5 m (all cables)
LNB:	Ku-band, quatro
Minimum EIRP:	45 dBW
Azimuth range:	630°
Ship's motions	
Yaw/turn angular velocity:	20°/s
Yaw/turn angular acceleration:	8°/s^2
Roll/pitch range:	±30°
Roll/pitch angular velocity:	20°/s
Roll/pitch angular acceleration:	10°/s^2 (±20° in 4.4 s)
Temperature range:	-20 to 60°C
Humidity:	0–100%
Wind speed:	50 m/s
Voltage:	24 V DC–10/+15%
Current:	3 A RMS, 10 A peak
Required input:	GPS and gyro in NMEA 0183 format
EMC:	EN 50083-2 EN 60945

0201

Since 1971, the objective of Naval Electronics has been to offer the best possible products for TV and Radio reception at sea. Naval began with omnidirectional antennas and is the world leader in this field of technology today. Now, with an expanded product range, the name Naval means much more than antennas. Naval operates in more than 40 countries and has installations on thousands of vessels all over the world.

All specifications stated are subject to change without notice.

Naval®
Marine Broadband Communication

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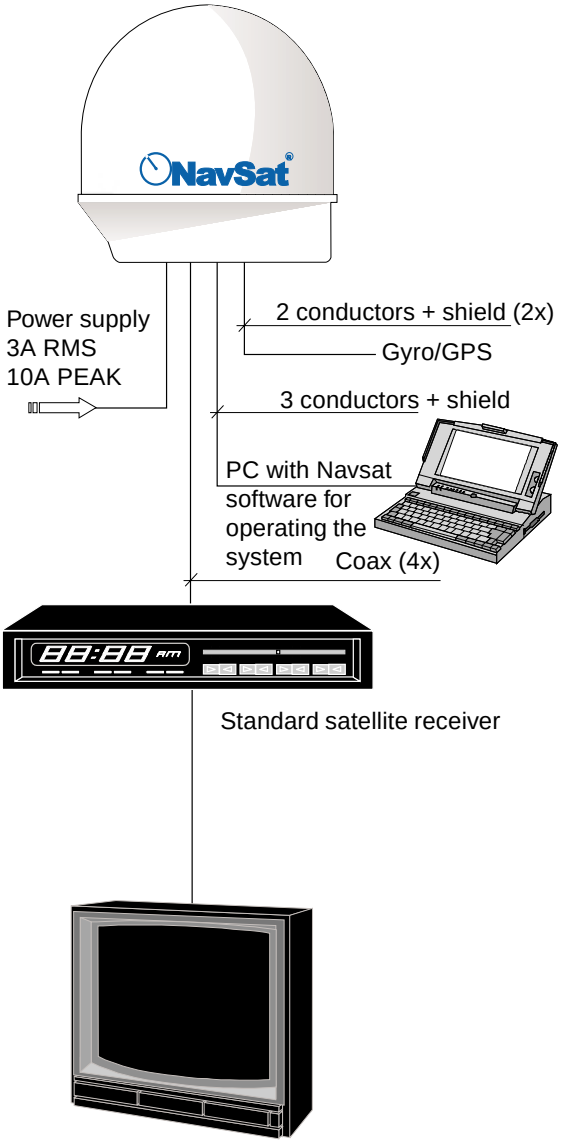
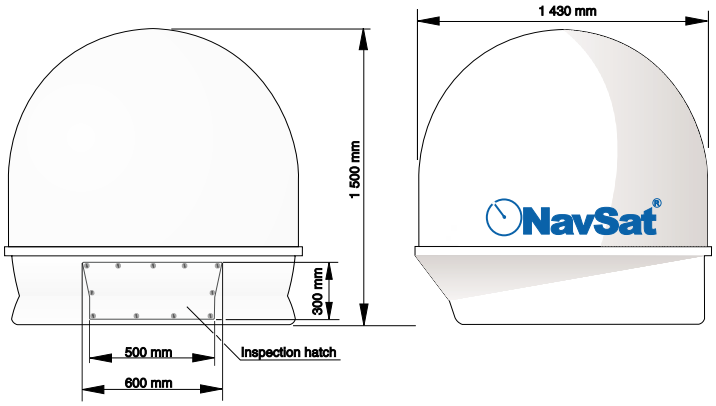
Standard Installation

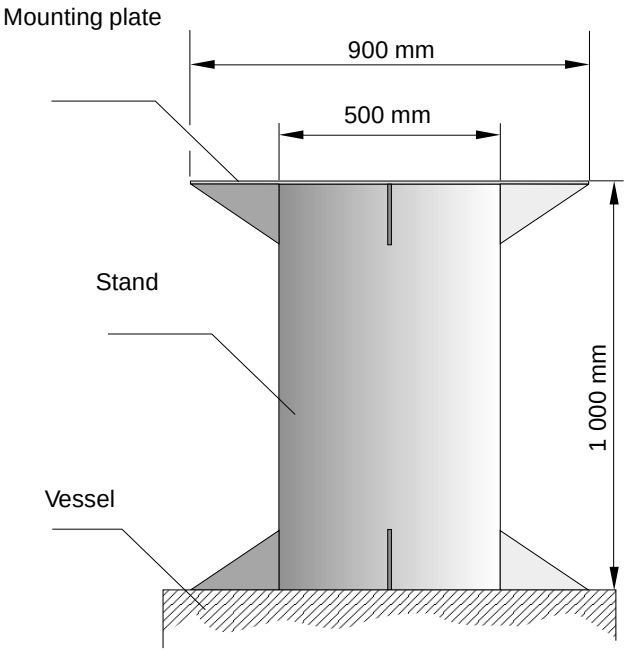
Wiring information



Antenna overall size



Location of antenna



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Order No.	Weight: 80kg
250.008	