

## Datasheet

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# VHFGPS4

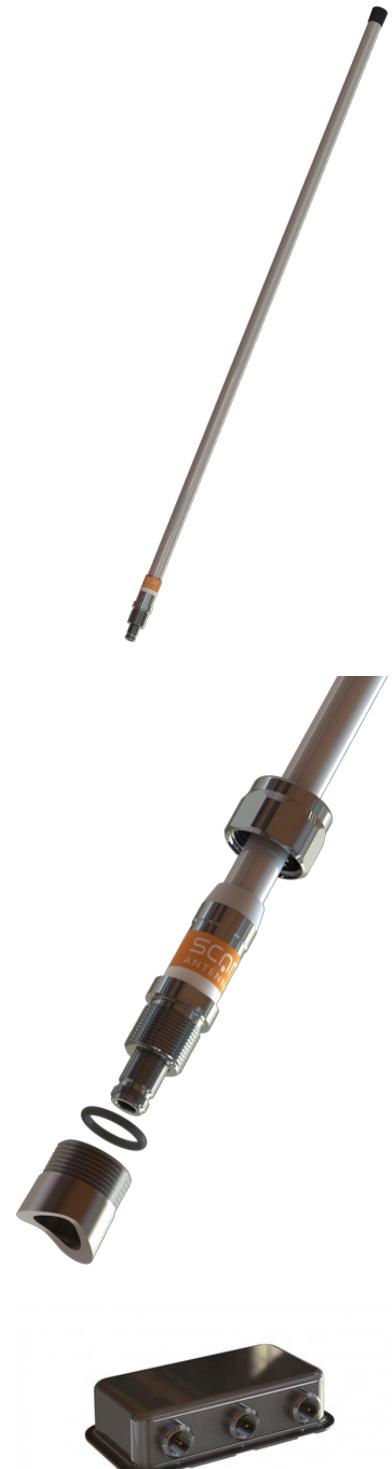
## 3 dB Dual Band Marine VHF and GNSS Glass Fibre Antenna 1.1 m

Dual band antenna combining the International Maritime VHF band and four satellite navigation/positioning systems. The antenna is especially made for maritime identification systems, e.g. AIS.

- High quality dual-band VHF and active GNSS antenna for professional use
- 4 satellite navigation/positioning GNSS systems included: GPS, GLONASS, BeiDou and Galileo
- Single down-lead antenna cable design with below deck diplex filter for easier installation

## ELECTRICAL SPECIFICATIONS

Frequency	156 - 162.5 MHz, 1555.4 - 1610 MHz (International Maritime VHF-band + 4 GNSS bands)
Bandwidth	VHF: 6.5 MHz, GNSS: 54.6 MHz
Antenna Type	VHF: Full 1/2 $\lambda$ dipole, GNSS: Chip - no groundplane needed
Impedance	50 ohm
Vswr	VHF: < 2.0:1
Satellite System	GPS, GLONASS, BeiDou and Galileo
Polarisation	Vertical
Gain	0 dBd, 2.1 dBi
Radiation Pattern	Omni-directional
Max. Input Power	VHF: 35 W
Lna Gain	GNSS: Typ. 26 dB
Supply Voltage	GNSS: 2.5 - 5.5 VDC (Fed via coax connection cable and diplexer from receiver)
Power Consumption Average	GNSS: Approx. 20 mW @ 5 V
Antistatic Protection	Direct Ground (DC-short)



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## MECHANICAL SPECIFICATIONS

Color	White and chrome
Length	1120 mm
Weight	520 g
Mounting	On 1" threaded pole (G1"-11 thread) with Revolving Nut Kit or on optionally brackets
Mounting Place	On mast or deck
Materials	PU-painted glass fibre, pcb, PTFE, copper and chrome plated solid brass
Survival Wind Speed	55 m/s (125 mph)
Operating Temperature	-40C to +70C
Connector	N-female
Cable	2 pcs short diplexer cables and 1 pcs antenna down-lead cable is needed for the installation of the system. The short diplexer cables for the GNSS receiver and the VHF-radio are included in some kits - please see "ORDERING INFORMATION"). The download cable between the antenna and the diplexer must be ordered separately.
Ingress Protection	IP66
Serial no.	On product label

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## ORDERING INFORMATION

11604-000	VHFGPS4 Antenna only - bulk packaging (No diplexer)
11604-001	VHFGPS4 Antenna only - in polybag (No diplexer)
11604-002	VHFGPS4 Antenna only - in carton tube (No diplexer)
11604-431	VHFGPS4 Antenna only + 1" Nut - in polybag (No diplexer)
11604-432	VHFGPS4 Antenna + 1" Nut - in carton tube (No diplexer)
11604-701	VHFGPS4 KIT Antenna with diplexer - in polybag
11604-702	VHFGPS4 KIT Antenna with diplexer - in carton tube
11604-711	VHFGPS4 KIT Antenna with diplexer and 1" nut - in polybag
11604-712	VHFGPS4 KIT Antenna with diplexer and 1" nut - in carton tube
11604-721	VHFGPS4 KIT Antenna with diplexer, cable kit and 1" nut - in polybag
11604-722	VHFGPS4 KIT Antenna with diplexer, cable kit and 1" nut - in carton tube
10100-000	Diplexer only - bulk packing
C15 016	Diplexer Cable Kit only - in polybag

## PACKAGING INFORMATION

Type	Bulk packing or individually packing in Polybag or Carton tube (See "ORDERING INFORMATION")
Size	Approx. 1.5 m
Weight	Approx. 2.1 kg

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