

AIS Receiver (Costal Station)

TECHNICAL DATASHEET



easyRX3S (A20024)



EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

Standards

AIS Standards	IEC 62287-2:2017; ITU-R M.1371-5
Environmental	IEC 60945:2002 + Corr.1:2018
GPS Performance	IEC 61108-1:2003
Product Safety	IEC 62368-1; EN 301843-1:2004

AIS Specification

Receiver	2 Receiver (AIS1/AIS2) DSC (AIS Channel Management)
Tx Frequency	AIS 1: 161.975 MHz; AIS 2: 162.025 MHz
Option:	Marine Band: 156,025MHz - 162,025MHz
Rx Sensitivity	≤-112dBm 25kHz (<20% PER)
Channel width / grid	25kHz
Modulation	GMSK (AIS, TX und RX) / FSK (DSC, RX only)
Transmission rate	9600b/s / 1200b/s

GNSS Receiver

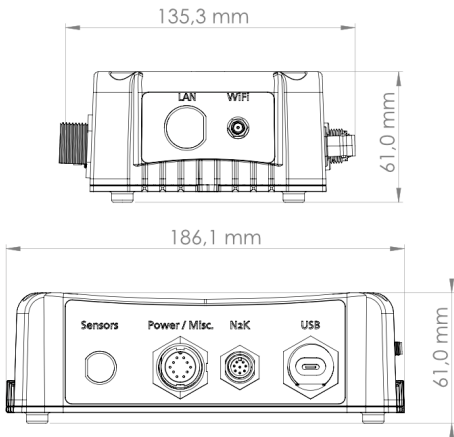
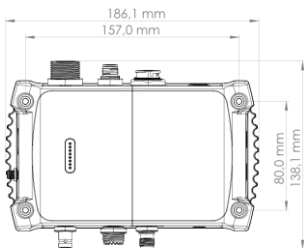
Receiving Antenna	Internal and external (BNC)
Receiving Channels	99 channels
Supported GNSS	GPS, Galileo, Beidou, GLONASS up to 3 concurrent GNSS constellations

Interface

	A20024 (easyRX3S)	A20025 (easyRX3S-LAN)
VHF Antenna Connector	SO239	SO239
VHF radio (Splitter)	TNC	TNC
GNSS Antenna Connector	BNC	BNC
USB	USB-C	USB-C
NMEA0183	2x OUT/ 1x IN	2x OUT/ 1x IN
NMEA2000	+	+
WiFi	+	-
LAN	-	RJ45

Dimensions/Drawings

Weight	500 g
Dimensions (LxWxH):	186 x 138 x 61 mm



As of 03/2026 | Subject to change