

Precision at a glance.

The RRT-314 is a premium marine-grade navigation display unit crafted to receive, process and visualize critical ROT and GNSS data. Designed as a bridge and common used areas for display Gyrocompass and GNSS sources. It operates continuously in harsh maritime environments.



Intelligent visibility.

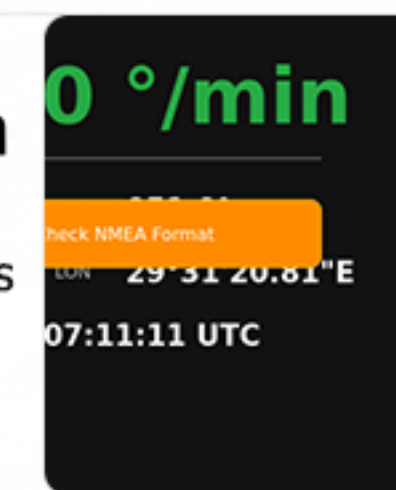
Adaptive Visualizations

Seamlessly switch between high-contrast numeric layouts, depth trend graphs, and smooth analog displays.



Real-Time Data Validation

Instantly detects data interruptions or formatting errors with prominent, color-coded visual warnings to ensure navigational safety.



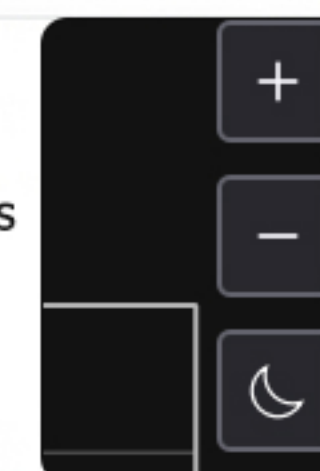
Seamless Data Logging

Record precise NMEA 0183 streams directly to a secure front panel USB with precise timestamps for post-voyage analysis. (USB required.)



Day & Night Operation

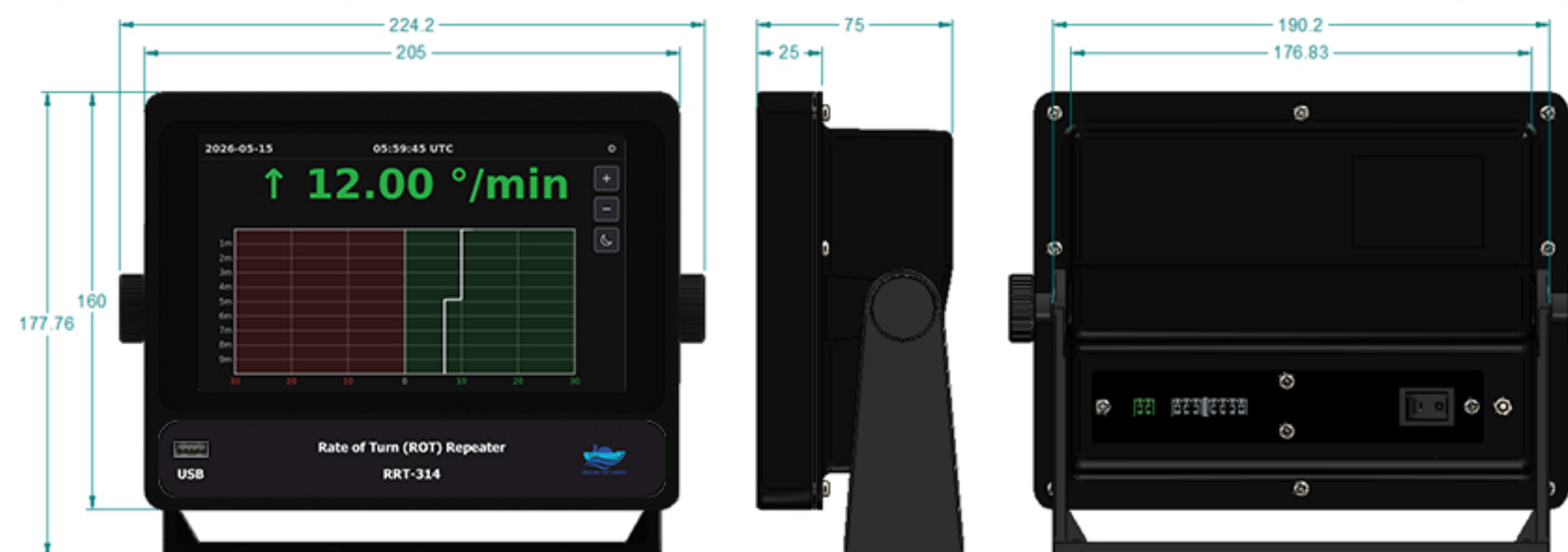
Instantaneous, one-touch brightness and theme adaption guarantees optimal screen readability under any bridge lighting condition.



Uncompromising architecture.

Power Supply	Voltage Range: 6VDC to 36VDC (Marine-grade 24V DC optimized) Consumption: 2-4W
Data Interfaces	Inputs: 1x RS-232, 1x RS-422 (Long-distance/noise-resistant) Format: NMEA 0183
Supported Sentences	Heading: ROT Navigation: GLL, GGA, VTG, ZDA, RMC
Data Logging	Storage: Front panel USB Port Format Requirement: NTFS file system supported
Hardware Protection	Electrical: Reverse polarity protection Ports: Optically and electrically isolated against marine disturbances

Engineered for the elements.



Dimensions

224.2mm (W) x 177.7mm (H) x 75.0mm (D)
7 inch Display

Mounting System

Adjustable, vibration-resistant marine bracket for versatile console or desktop bridge installation.

Environment

Built for continuous exposure. Requires a 90 cm safe magnetic compass distance. Optically protected against marine