



# UrsaNav<sup>®</sup> UN-156 eLoran Monitor Receiver

## GENERAL OVERVIEW

The UN-156 eLoran Monitor Receiver uses the latest version of the UrsaNav<sup>®</sup> UN-151 eLoran Receiver Module. The receiver provides measurement data of both local and remote on-air signals. The measurements are used for Quality of Service (QOS), signal integrity, closed-loop timing, and Loran Data Channel (LDC) monitoring, Two Way Low Frequency Time Transfer (TWLFTT). Additionally, the receiver generates all measurements needed to monitor and control the local transmitted signal, performs self-diagnostics to identify equipment failure and then activate alarms, allows for upgrading the firmware on site, and configures thresholds and observation intervals.

## PRODUCT HIGHLIGHT

UrsaNav ELEGANT<sup>™</sup> software is pre-installed, and provides complete monitor and control capability of the receiver. The software is customizable to meet end-user requirements.



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## KEY FEATURES

- Time of Arrival (TOA), Signal Strength (SS), Signal to Noise Ratio (SNR), Envelope Cycle Difference (ECD), and other pulse shape and timing-related measurements.
- LDC message demodulation/decoding of Eurofix, 9<sup>th</sup> and 10<sup>th</sup> pulse, including integrity monitoring.
- 1 PPS output, UTC Time-of-Day, and other timing signals for closed-loop timing control.
- Self-diagnosis and diagnosis of timing and transmitter equipment.
- Generates all measurements to enable Two Way Low Frequency Time Transfer.
- Works with E-field or H-field antennas and/or the operate RF feedback from the transmitter.
- Configurable as DGNSS Reference Station.

## SPECIFICATIONS

POWER SOURCE	9-36 VDC
SIZE (1RU)	48.3 x 40.6 x 4.4 cm 19 x 16 x 1.75 in
INPUTS	1 PPS
CONNECTIVITY	ETHERNET, USB, HDMI