

KENAZ

Superior accuracy for handheld mapping

The Kenaz DGPS receiver is a high-accuracy GPS accessory that provides sub-meter positional performance for handheld mapping. The Kenaz DGPS receiver has been specifically developed for the ruggedized Nautiz X7, Nomad and Recon handheld computers.

The Kenaz is rugged yet small and compact. Its Compact Flash adapter and smart antenna module simplify field use even in the most demanding environments and keeps the total handheld solution IP67-rated.

Key Kenaz N100*, Kenaz R100** and Kenaz NZ100*** Series advantages

- Fully integrated, robust design made to fit the Nomad, the Recon or the Nautiz X7
- Easy to use - just connect to the Nomad, the Recon or the Nautiz X7 and go
- COAST™ technology maintains accuracy even during temporary loss of differential signal
- Low power consumption conserves handheld battery power.
- Optional external antenna for additional accuracy
- Exclusive e-Dif extended differential option available

**The Kenaz N100 is compatible with the Nomad handheld*

***The Kenaz R100 is compatible with the Recon handheld*

****The Kenaz NZ100 is compatible with the Nautiz X7*

GPS Sensor Specifications

Receiver Type: L1 (C/A), with carrier phase smoothing

Channels: 12-channel parallel tracking (10-channel when tracking SBAS)

SBAS Tracking: 2-channel, parallel tracking Update Rate: 1 Hz

Horizontal Accuracy: < 0,4 m RMS (0,8 m – 95% CEP) confidence (DGPS)*, <1,8 m RMS confidence (autonomous, no SA)*, < 0,3 m RMS confidence (DGPS, external antenna)*

Cold Start: 60 s (no almanac or RTC)

Warm Start Time 1: 45 s (valid almanac, no RTC)

Warm Start Time 2: 35 s (valid almanac and RTC)

Hot Start Time: 20 s typical (valid almanac, RTC and two hours since last fix)

Reacquisition: <1 s

Environmental**Operating Temperature:** -30 °C to 60 °C (-25 °F to 140 °F)**Storage Temperature:** -40 °C to 70 °C (-40 °F to 158 °F)**Mechanical****Dimensions (LxWxH):** 101 x 97 x 35 mm (4.0 x 3.8 x 1.4")**Weight:** 300 g (<10.6 oz)**Status Indication:** 1 LED indicating power**Antenna Connector:** SMB, female

*Depends on multipath environment, number of satellites in view, satellite geometry, and ionospheric activity

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