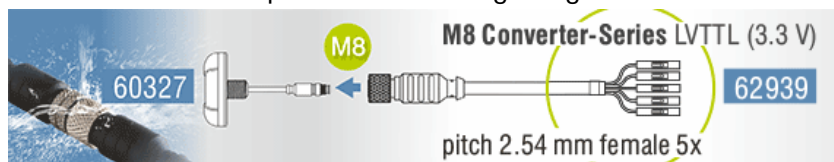


# Navilock NL-3332 M8 Serial Multi GNSS Receiver MT3333 0.5 m

## Description

The M8 serial multi GNSS Receiver based on MT3333 chipset has a built-in antenna for high sensitivity. It is possible to use this GNSS receiver with a laptop and suitable routing software for navigation. The M8 universal connector is waterproof and enables the connection of [optional connecting cables](#) with many different connectors. The GNSS receiver is especially designed for installation on a white ground (boat, camper, bus etc.) It is unremarkable and fits into the vehicle concept due to its housing design.



**Item no. 60327**

EAN: 4043619603275

Country of origin: Taiwan,  
Republic of China

Package: Retail Box

## Specification

- Connector: 1 x M8 Navilock waterproof connecting plug
- Chipset vendor / type: MediaTek MT3333
- Frequency:
  - GALILEO: E1, 1575,4200 MHz
  - GPS: L1, 1575.4200 MHz
  - GLONASS: G1, 1602 (k x 0,5625) MHz
- Channels: 33 tracking, 99 acquisition
- Supports NMEA 0183 V3.01 protocols: GGA, GSA, GSV, RMC, VTG
- Baud Rate: 9600 bps
- Update rate: 1 - 10 Hz
- Sensibility: max. -165 dBm
- Cold start in ca. 34 seconds
- Hot start in ca. 1 second
- Reacquisition in ca. 1 second average
- Positioning accuracy:
  - 2.5 m CEP (Circular Error Probable)
  - 2.0 m CEP with SBAS (Circular Error Probable)
- Speed: 0.1 m/s
- Datum: WGS 84
- Dynamic limits:
  - Acceleration limit: smaller than 4 g
  - Height limit: 18000 m
  - Speed limit: 515 m/s

- Power supply: 5 V DC
  - Current consumption: max. 45 mA
  - Protection class: IPX7
  - Operating temperature: -20 °C ~ 60 °C
  - Cable length: ca. 0.5 m
  - Dimensions (Ø x H without screw thread): ca. 62 mm x 21 mm
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## System requirements

- Windows Vista/7/8.1/10, Linux Kernel 2.6
  - M8 connection cable
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## Package content

- M8 serial receiver
  - Mounting material: stainless steel nut and washer
  - Navilock support CD incl. driver and user manual
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## Images



## General

Protection category:	IPX7
Suitable for outdoor:	yes

## Interface

connector:	1 x M8 male
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## Technical characteristics

Operating voltage:	5 V DC
Chipset:	MediaTek MT3333
Frequency range:	GLONASS: G1, 1.6020000 (k x 0.5625) GHz GPS: L1, 1,5754200 GHz
Operating temperature:	-20 °C ~ 60 °C
Current consumption:	45 mA
Sensibility:	-165 dBm
Update rate:	1 - 10 Hz

## Physical characteristics

Housing colour:	white
Cable length incl. connector:	0.5 m
Diameter:	62 mm
Height:	21 mm (without screw thread)