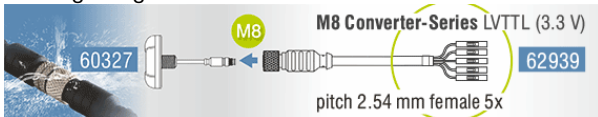


# NL-3332 M8 Serial Multi GNSS Receiver MT3333 0.5 m

## 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.



## Specification

- Connector: 1 x M8 Navilock waterproof connecting plug
- Chipset vendor / type: MediaTek MT3333
- Frequency:
  - GALILEO: E1, 1575,4200 MH
  - 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

## System requirements

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

## Package content

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

## Item no. 60327

EAN: 4043619603275

Country of origin: Taiwan, Republic of China

Package: Retail Box

Images



**General**

|                       |      |
|-----------------------|------|
| Protection category:  | IPX7 |
| Suitable for outdoor: | yes  |

**Interface**

|            |             |
|------------|-------------|
| connector: | 1 x M8 plug |
|------------|-------------|

**Technical characteristics**

|                        |   |
|------------------------|---|
| Operating voltage:     | 5 V DC  |
| Chipset:               | MediaTek MT3333   |
| Frequency range:       | GLONASS: G1, 1.6020000 (k x 0.5625) GHz<br>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) |