



CD101M

66 Channels Superior Performance GPS Speed Camera Detector

GENERAL DESCRIPTION

The CD101M is the GPS speed camera detector, which uses GPS technology to provide accurate warnings to fixed and mobile speed cameras in the road ahead. The CD101M is powered by MTK's 66 channels high sensitivity GPS solution, which is the proven technology in the market. With its built-in 4M flash memory, the user can benefit from the significant number of POI (Point of Interest, factory default 180,000) that is more than enough to store the position of fixed/mobile cameras.

The CD101M also including some nice features, such as motion sensor for power management and POI update, which are the advantages to the users.

The CD101M can also be used as the wired GPS receiver through a data cable to deliver satellite information to the device without Bluetooth interface.

KEY PRODUCT FEATURES

- 66 search channels and 22 simultaneous tracking channels
- Cold/Warm/Hot start time: <35/<34/<1.5 sec. (Autonomous)
- Superior sensitivity: -165dBm tracking
- Reacquisition time: <1 sec.
- Indoor and outdoor multipath detection and compensation
- Built-in rechargeable 860mA/h Li-ion battery
- Support G-mouse function via USB cable
- Voice alarm and LED indicator for speeding alert
- Volume adjustable
- POI (Point of Interest) input and output via USB port; easy to add/erase POI by two buttons
- Motion sensor for power management (auto power on or goes to sleep mode)
- Low power consumption: 17 hours continuous use by 860mA/h battery
- Time to full recharge: within 3 hours
- Size: 77.4 (L) X 46.3 (W) X 22.5 (H) mm
- Weight: 66g (battery included)
- Non-slip back pad for a secure placement

SPECIFICATIONS

GPS Features

Chipset	MTK MT3329 GPS single chip
Frequency	L1, 1575.42MHz
C/A Code	1.023MHz chip rate
Channels	Supports 66 channels
Antenna (Internal)	Built-in low noise patch antenna

Sensitivity

To -165dBm Tracking, Superior Urban Canyon Performance

Time to First Fix (TTFF)

Cold Start	<35 sec, average
Warm Start	<34 sec, average
Hot Start	<1.5 sec, average
Reacquisition	<1 sec
Update Rate	1 Hz (std.)

Accuracy

Position	<3m 2D, RMS
Velocity	0.1m/sec, without SA
Time	<100ns

Power

Built-in rechargeable	860mAh Li-ion battery and 5V DC input
Operation Current	50mA (Typical)
Operation Time	17hrs, fully charged, in continuous mode
Sleeping Mode	Sustain more than 2000 hours
Charging Time	3.0hrs. (Typical)

Datum

WGS-84

Dynamic Conditions

Altitude	<18,000 m (60,000feet)
Velocity	<515 m/s (1000 knots)
Acceleration	<4G
Motional Jerk	20m/sec ³ max.

Device Size and Weight

77.4 (L) X 46.3 (W) X 22.5 (H) mm

3.05 (L) X 1.82 (W) X 0.89 (H) inch

66g (battery included)

Accessories

Car charger (12V in, 5V output)
AC adaptor (5.3V output, 500mA)

Camera Detector

Number of POI: factory default 180,000; my favorite point: 256

Goes to sleep mode if vehicle stays still for 15 minutes

Auto power on in 3 sec. when detecting movement

Speaker: 1 watt/ 8 ohm

Environmental Characteristics

Operating Temperature - 20°C to + 60°C

Storage Temperature - 20°C to + 85°C

All specifications are subject to change without notice

©Wonde Proud 2009

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent or other industrial or intellectual property rights.

REVISION HISTORY

Revision	Date	Comments
V07.09	14_July_2009	First release