



User Manuel

Compact Geotagging Unit for Nikon DSLR Cameras

This GPS unit is designed for Nikon DSLR (Digital Single Lense Reflex) cameras. It acquires longitude, altitude, elevation, UTC (Coordinated Universal Time) and heading information to be embedded into RAW and JPEG images. Users can look up the exact location where the pictures are taken with software such as Google Map.

Unique Selling Points:

- Built-in GPS chipset and antenna;
- Build-in electronic compass (M2);
- Connect directly to Nikon DSLR cameras without MC-35;
- Internal rechargeable battery that provides 10 hours of continuous usage;
- Can draw power from camera when internal rechargeable battery runs low;
- Build-in 2.5mm jack for external remote shutter release connection;
- Small and compact.

Compatible camera models:

Nikon D3, D3x, D300, D700, D2X, D2Hs, D2Xs ,D200 and Fujifilm S5 Pro (via accessory cable C10) and Nikon D90, D5000 (via accessory cable C90)

MetaGPS line of products:

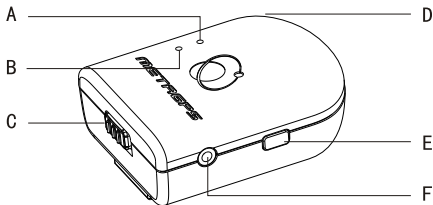
- Built-in GPS chipset and antenna
- Connect to Nikon DSLR without MC-35
- Build-in 2.5mm jack for remote shutter release
- Internal rechargeable battery

M1

- Built-in GPS chipset and antenna
- Connect to Nikon DSLR without MC-35
- Build-in 2.5mm jack for remote shutter release
- Internal rechargeable battery
- Build-in electronic compass

M2

User manual:



A –GPS Indicator

B –Internal Battery Indicator

C –Power Switch

D –Electrical Charger Connector

E –Electronic Compass Reset

F –2.5mm Remote Shutter Release Jack

Operation Manual:

- 1、 Turn off camera power;
- 2、 Connect METAGPS to camera with supplied cable;
- 3、 Switch METAGPS power switch to “ON”;
- 4、 Switch camera power switch to “ON”.

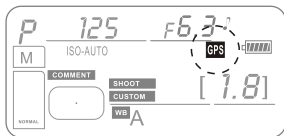


GPS indicator in DSLR: (please refer to Nikon DSLR User Manual)

If METAGPS is connected properly to a camera, the camera will display the GPS icon. In open air, it usually takes over 1 minute for METAGPS to acquire the initial location.

Note: METAGPS will enter sleep mode when the camera is power off. METAGPS will auto start when the camera is turned on again and will acquire new location in 3-5 seconds.

Camera Indicator	Working Status
No GPS indicator	Camera is not connected to GPS
GPS blinking	GPS is searching for signal
GPS light on	GPS location is acquired



METAGPS indicators	Indicator Lights	Working Status
GPS Indicator (Blue Light)	Off	GPS Off
	Quick blinking (once every second)	GPS is searching for signal and GPS data not recorded
	Slow blinking (once every three second)	GPS location is acquired
Battery Indicator (Red Light)	Off	Battery is in normal working condition
	Solid	Battery low

Internal Rechargeable Battery:

METAGPS comes with internal rechargeable battery which can provide at least 10 hours of continuous usage.

Before using it for the first time, please charge METAGPS to full. When internal battery is low, the battery indicator will turn on. The unit can be used for another 60 minutes and will draw power from the camera. If you do not wish to power the METAGPS from the camera battery, you shall recharge the it as soon as possible. A complete recharge takes about 3 hours. The battery indicator on the charger will be off when the charge is finished.

Electronic Compass:

METAGPS product M2 comes with build-in electronic compass which will record heading information. Please point the camera and the unit in the same direction by mounting METAGPS on the camera flash accessory shoe. When using METAGPS for the first time or arrive at a new location, we recommend resetting the electronic compass to provide more accurate heading readings.

Steps to reset the electronic compass:

1. Disconnect METAGPS cable from the camera;
2. Push the electronic compass reset button once;
3. Keep METAGPS horizontal then slowly turn the METAGPS clockwise for one full circle;
4. Repeat the above steps if necessary.

Inside the Package:

- 1、 METAGPS unit
- 2、 Connections cable
- 3、 Battery charger
- 4、 User Manuel

Specifications:

General

Chipset: Low Power Single Chip SiRF Star III

Frequency L1, 1575.42 \pm 1.023MHz

Sensitivity -159 dBm

Accuracy (Open Sky) Position 10 meters, 2D RMS

Datum

WGS-84

Output message NMEA 0183

Data rate 4,800 Baud

Acquisition Time (Open sky, stationary requirements)

Hot start :5 sec., average

Cold start: 45 sec., average

Electronic Compass

Magnetic Field Range:50A/m

Heading Range:0-359°

Accuracy: + /-3°

Sensitivity:1°

Power

Build-in rechargeable battery

Connector

Direct connect to Nikon D3, D3x, D300, D700, D2X, D2Hs, D2Xs ,D200 and Fujifilm S5 Pro (via accessory cable C10) and Nikon D90, D5000 (via accessory cable C90)

Physical Characteristics

Dimension 50mm*44mm*19mm

Weight: 50g

Operating Temperature -20 to +60 Degrees Celsius

Operating Humidity: 5% to 90%, No Condensing

Warranty:

METAGPS Inc. provides 1 year limited warranty for our products. We will repair or exchange the product free of charge within one year from the purchase date. Please contact us for troubleshooting before returning products. Customer is responsible for the return shipping charges. METAGPS Inc. is responsible for shipping the product back to customer.

Made in China



CE RoHS

[Http://www.metagps.com](http://www.metagps.com)