Social Network Compatible GPS Camera
INOU
CAT EYE

https://www.cateyeatlas.com MSC-GC100

For more information, visit our website or mobile site.

Before using the computer, please thoroughly read this manual and keep it for future reference.

It is necessary to read the **Preparation guide edition**, "Mounting the main unit" and "Preparing your PC" before use.

What you can do with this unit

INOU → Dedicated application **INOU Sync** → Website **CATEYE Atlas**

microSD card → PC → Internet

- **Recording the trip route**
  Positional information from GPS is recorded while recording the trip. The recorded positional information (route) can be saved as your own trail by superimposing it on a Google map on the website "CATEYE Atlas™".

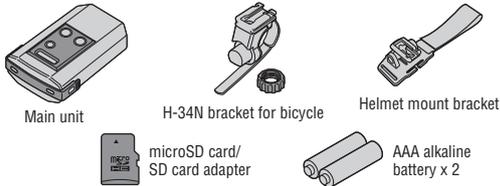- **Taking a photo and video containing positional information**
  You can look at a photo and/or video while checking the shooting spot on the route on "CATEYE Atlas™".

- **Uploading and arranging trip data**
  You can download the trip data from a microSD card to your PC, and upload it to the website "CATEYE Atlas™." You can also arrange the data, or handle the downloaded photo and video as a file.

Package contents

Main unit | H-34N bracket for bicycle | Helmet mount bracket
microSD card/ SD card adapter | AAA alkaline battery x 2

⚠ CAUTION

- **The manufacturer shall in no event be liable for the loss of recording and recorded data due to malfunction or defect of this product, its accessories or recordable media.**
- **Pay careful attention to the surrounding situation when you operate the main unit.**
- **When you use this unit with your bicycle, mount it firmly to the bicycle with the bracket, and check before use that it is not loose.**
- **Avoid leaving the main unit in direct sunlight for a long period of time.**
- **Do not disassemble the main unit.**
- **Do not drop the main unit. It may result in damage.**
- **Do not expose the camera lens to direct sunlight for a long period of time.**
- **Dispose of used batteries according to local regulations.**
- **Do not use this unit in rain, although it is waterproof.**
- **Remove and store the batteries when you do not use the unit for a long time.**
- **When using, observe general moral rules.**

Camera shooting
- **Keep in mind that photographing and releasing a person's appearance may infringe on their portrait rights, etc.**
- **Do not use this unit to record any books on the market or any literature information that is not permitted to be photographed, or in any way against public order and morals.**

microSD card
- **Do not touch the terminal when you handle a microSD card.**
- **To insert into the main unit, check the correct insertion direction, and press it in until it clicks.**

GPS
GPS (Global Positioning System) is a system to identify the current position on the earth by receiving highly precise positional information sent from a satellite. GPS may not correctly record the current position in the following locations and environments because of insufficient data acquisition.
- **In a tunnel, underground, between high-rise buildings, under an overpass, etc.**
- **In bad weather (snow, rain, etc.)**
- **Near a high-voltage line or a mobile telephone relay station.**
- **When the antenna on the main unit does not face the sky.**

The current speed and the distance may slightly differ from the actual value, since they are measured only by GPS.
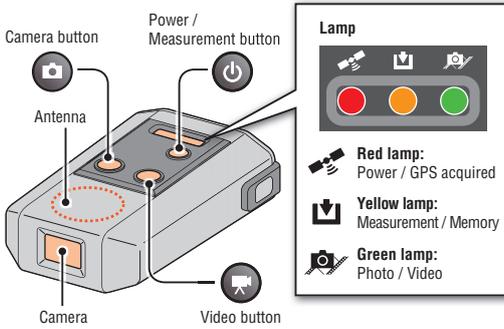When you use this unit on your bicycle, combining with a CATEYE analog speed sensor (supplied with CC-RD300W, etc.) improves the trip distance accuracy, since the measurement values are corrected by sensor signals.
* In this case, it is necessary to set the tire circumference with CATEYE Atlas™.

* This manual has been prepared on the assumption that the user has sufficient basic knowledge, including operation and terminology of PCs (Windows/Mac).
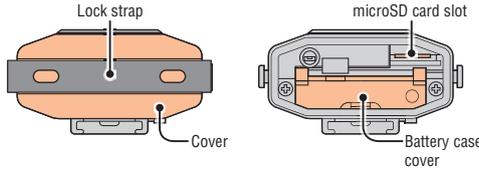

Usage edition

Element names

Camera button | Power / Measurement button
Antenna
Camera | Video button

Lamp

Red lamp: Power / GPS acquired
Yellow lamp: Measurement / Memory
Green lamp: Photo / Video

Back
Lock strap | microSD card slot
Cover | Battery case cover

⚠ **Recording a trip is necessary to upload data to CATEYE Atlas™.**
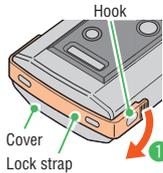
Inserting a microSD card and batteries

Removing/installing the cover

❶ Pinch the right end of the lock strap with your fingers to remove it from the hook on the main unit. The cover is removed together with the lock strap.
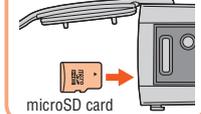
Hook | Cover | Lock strap

⚠ **When the unit is wet, remove moisture sufficiently before opening the cover.**
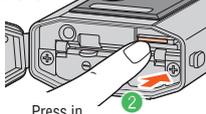
❷ Be sure to fit the cover firmly to the unit and install the lock strap, after removing/inserting a microSD card or replacing batteries.

Removing/inserting a microSD card

Insert
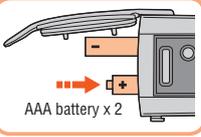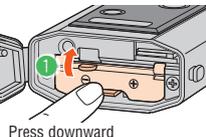microSD card | microSD card

Remove
Press in ❷ | Pull out ❸

* When the yellow lamp flashes slowly, the remaining microSD card capacity is approx 200MB.
* When the microSD card capacity is full, all lamps will be turned on. After that, no more recording is possible.

❶ Insert a microSD card with its label surface faced up, firmly to the end until it clicks.

❷ To remove the microSD card, press it in until it clicks.

❸ Pinch the popped-up section with your fingers to pull out the card.

Replacing the battery

	No photographing	Automatic photographing (1 minute)	Videographing time
Battery life (Reference value at a temperature of 20 °C)	About 6.5 hours	About 6 hours	About 2.5 hours

* When the red lamp flashes slowly, the available battery capacity is small. (With alkaline cells, it is characteristic for the indication to be shown a little earlier).

Press downward | AAA battery x 2

❶ Open the battery case cover while pressing the lever, and install the batteries in the correct direction.

⚠ **Be sure to install the batteries in the correct direction.**

❷ Replace the battery case cover, fit the cover firmly to the unit, and install the lock strap.
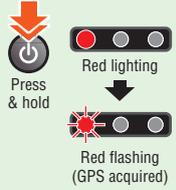

Using

Recording the trip

This unit records the whole trip after it is turned on until turned off as a single trip. Turn off the unit during recording to save it as a separate trip.
* If batteries are replaced during recording, the trip is divided into two records.

❶ Turn on the unit.
Press and hold ⏻ button until the red lamp lights up.
Once GPS is acquired, it will change to flashing.
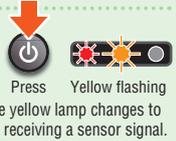* It may take several minutes to acquire GPS depending on the receiving condition.

Press & hold | Red lighting → Red flashing (GPS acquired)

❷ Start recording a trip.
Press ⏻ button to start recording.
The yellow lamp flashes during recording.
* When an analog speed sensor is used, the yellow lamp changes to double flashing to indicate that the unit is receiving a sensor signal.

Press | Yellow flashing

❸ Take a photo and video.
Shoot according to the following procedure.
* You can take images whenever the main unit is turned on, whether recording a trip or not.

Taking a photo
Press the 📷 button.
The green lamp lights up every time a photo is taken.
* This operation is enabled even during automatic photographing.

Press | Green lighting momentarily

Taking a photo automatically
Press and hold 📷 button to start/stop automatic photographing at a specified interval.
During automatic photographing, the green lamp lights up, and the lamp flashes with a buzzer sound when photographing.
* The photographing interval is set from INOU Sync™ (default: 1 minute). For details, see **[Setting]** on INOU Sync™.

Press & hold | Green lighting

Taking a video
Press 🎥 button to start/stop videographing.
During videographing, the green lamp flashes and a buzzer sounds every minute.

Press | Green flashing

⚠ **Once you start videographing during automatic photographing, the automatic photographing pauses in the meantime.**

❹ Stop recording a trip.
Press the ⏻ button.
The yellow lamp lights off.

Press | Yellow turned off

❺ Turn off the unit.
Press and hold ⏻ button until the red lamp lights off.

Press & hold | Red turned off

Uploading a trip recorded

Trips recorded with INOU are saved in your PC and uploaded to a web server together with photo and video data, using the dedicated application software "INOU Sync™." On the website "CATEYE Atlas™" you can check a route, or open a trip.

❶ Remove a microSD card from the main unit, and insert it into your PC (☞ Removing/inserting a microSD card).
* Use an SD card adapter to insert a microSD card into your PC.
* When your PC has no SD card slot, an SD card reader is required.

❷ Start INOU Sync™.
Double click **[INOUSync]** on the desktop or shortcut to start INOU Sync™.

❸ Click **[One-button upload]**.

One-button upload
Download data from SD card
Data list

* Data is saved in your PC, and then uploaded to the website "CATEYE Atlas™" automatically.
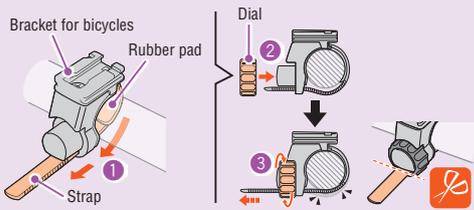* It may take time to upload, depending on the data size and the line condition.

Uploading data after organizing
With INOU Sync™, you can organize the photos and videos saved in your PC, and then upload them to CATEYE Atlas™. In that case, click **[Download data from SD card]** to load data into your PC. Then, select the desired photos and videos from **[Data List]** > **[Detail]**, and click **[Upload]**.
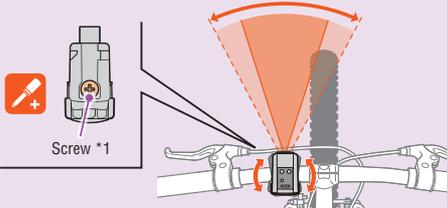
Preparation guide edition

Mounting the main unit

When using the bracket for bicycles

Bracket for bicycles
Rubber pad
Dial
Strap

① Wind the bracket strap around the handlebar, and put the strap through the opening.

② Screw the dial into the bracket to secure it temporarily.

③ Mount the main unit to the bracket (☛ ⑤ Mount the main unit to the bracket), and adjust the shooting angle.

Screw *1

Loosen the dial on the bracket to adjust the shooting angle. After adjusting, firmly tighten the dial.

⚠ **For good shooting, we recommend you make adjustments so that the main unit is in a horizontal position.**

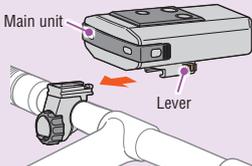* The bracket is adjustable by 10 degrees in both horizontal directions.
* Check the dial and screw (*1) on the bracket periodically, and use them without any loosening.

④ Securely tighten the dial by hand, and cut off the excess bracket strap.

⚠ • Be sure to tighten the dial by hand. When you tighten it too hard with a tool, the screw thread may be stripped.
• Round off the cut edge of the bracket strap to prevent injury.

⑤ Mount the main unit to the bracket.
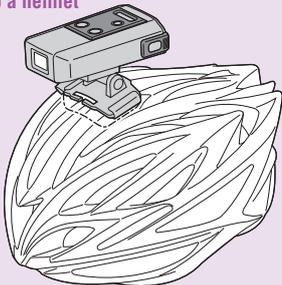
⚠ **Mount the main unit firmly until it clicks.**

Main unit

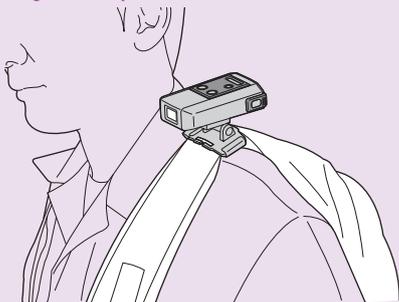* To remove the main unit, pull it out forward while pressing the lever.

Lever

When using the bracket for helmets

The main unit can be mounted to various locations as shown in the following figures, using the bracket for helmets.

Mounting to a helmet

Mounting to a backpack

⚠ • Be sure to mount the bracket so that the antenna on the main unit faces the sky.
• For good shooting, adjust the bracket so that the main unit is in a horizontal position.

Antenna

Preparing your PC

Register as a member to CATEYE Atlas™

① Access to CATEYE Atlas™.
Access the website "CATEYE Atlas™" from your browser.
(https://www.cateyeatlas.com)

② Click **[Create account]**.
Follow the procedure for membership registration indicated on the screen. Once you are registered, an e-mail will be sent to you from CATEYE Atlas™.
* Membership registration is free of charge.

③ Enter your ID (e-mail address) and password, and then click **[Login here]**.
Enter correctly the registered ID (e-mail address) and password to login. After login, enter your user information. Now, your membership registration is completed.
* Make a note of your ID and password, and keep it at hand.

④ Click **[Create YouTube account]**.
Acquire a YouTube account, according to the procedure indicated on the screen.
* YouTube account is required to upload a video. Acquire an account now if you do not yet have one.
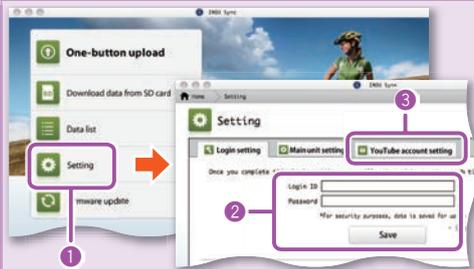Then, install INOU Sync™.

Install INOU Sync™

① Click **[Download]**.
Download the file according to the procedure indicated on the screen.

② Double click the execution file downloaded.

⚠ **Administrative rights are required to run the program on Windows Vista / 7.**

| For Windows | [InousSyncInstaller.zip] > [InousSync.exe] |
| For Mac | [Install INOUSync.dmg] > [Install INOUSync.app] |

Install according to the procedure indicated on the screen. Once installation is completed, INOU Sync™ will start.

Setting the INOU Sync™

① Click **[Setting]**.

② Enter your ID (e-mail address) and password on the **[Login setting]** tab, and then click **[Save]**.
Enter correctly your ID and password for CATEYE Atlas™.

③ Enter your YouTube account on the **[YouTube account setting]** tab, and then click **[Save]**.
Now, preparation of your PC is completed.

What you can do with INOU Sync™
• One-button upload to INOU Atlas.
• Download trip data (from a microSD card to your PC).
• Edit the photos and videos saved.
• Specify and upload a trip.
• Display folders of original data.
• Set the shooting interval of automatic photographing with the main unit, and the image quality.
• Firm up the main unit software.

Maintenance

To clean the main unit or accessories, wipe with a soft cloth dampened in diluted neutral detergent, then wipe with a dry cloth.
Wipe the camera lens gently with commercial cleaning paper.

Troubleshooting

The following troubles are not due to breakdown.
See also "**FAQ**" on CATEYE Atlas™ (Web).

A microSD card cannot be inserted.
Is the insertion direction of a microSD card correct?
Inserting it forcedly in a wrong direction may result in failure.
(☛ Removing/inserting a microSD card)

The unit cannot be turned on.
Is the battery drained? Or, is the battery in the wrong direction?
Replace the battery, or check the direction of the battery. (☛ Replacing the battery)
Is a microSD card inserted?
The unit is not turned on unless a microSD card is inserted. (☛ Removing/inserting a microSD card)
Is the microSD card broken?
Do not to touch the terminal when you handle a microSD card.
Is the cover mounted appropriately?
The unit is not turned on when the cover is open. (☛ Removing/inserting a microSD card)

The red lamp does not flash. (GPS is not acquired).
Is it immediately after turning on the unit?
It may take about 2 to 3 minutes for GPS to acquire the positional information after receiving a signal.
Is it out of the GPS service area?
GPS radio waves do not reach inside a tunnel, underground, between high-rise buildings, under an overpass, etc., so GPS cannot be acquired.
Is the weather not suitable for acquiring GPS?
GPS may not be acquired when it is raining or snowing.
Is the main unit mounted so that the antenna faces the sky?
Be sure to mount the main unit so that the antenna faces the sky. GPS cannot be acquired when the antenna does not face the sky.

Photos and videos have been taken, but the track has not been recorded.
Was the yellow lamp flashing during recording?
Turn on the unit, and press the Power/Measurement button to start recording.

Recording is terminated in mid-course.
Is the red lamp flashing slowly?
The batteries are almost dead. Replace them with new batteries. (☛ Replacing the battery)
Is the yellow lamp flashing slowly?
The microSD card capacity is almost full.
Replace the microSD card (☛ Removing/inserting a microSD card), or move the trip(s) saved in the microSD card to INOU Sync™ to save the capacity.

No photo or video can be taken.
Is the yellow lamp flashing slowly?
The microSD card capacity is almost full.
Replace the microSD card (☛ Removing/inserting a microSD card), or move the trip(s) saved in the microSD card to INOU Sync™ to save the capacity.

Automatic photographing is partially interrupted.
Is it videographing?
Automatic photographing is interrupted during videographing.

Moving images are shaky and rippling.
Severe vibration when shooting may produce a shaky and rippling image.
Firmly fixing the main unit may improve the image.

Photos are out of focus.
The camera on this unit does not support macro photographing.
It may be out of focus when a subject is too close.

The photos and videos taken are not clear.
Is the camera lens on the front of the main unit dirty?
Clean the lens. (☛ Maintenance)
Is the shot taken facing sunlight or a strong light source?
Shooting an image facing a strong light may produce a foggy image.

The red lamp flashes slowly.
The batteries are almost dead. Replace them with new batteries. (☛ Replacing the battery)

The yellow lamp flashes slowly.
The remaining microSD card capacity is approx 20%.
Replace the microSD card (☛ Removing/inserting a microSD card), or move the trip(s) saved in the microSD card to INOU Sync™ to save the capacity.

All lamps are turned on.
The microSD card capacity is full.
Stop recording the trip, and replace the microSD card (☛ Removing/inserting a microSD card), or move the trip(s) saved in the microSD card to INOU Sync™ to save the capacity.

Operating environment for INOU Sync™

⚠ **Downloading INOU Sync™ and accessing to CATEYE Atlas™ are not available with a PC without Internet access.**

OS : Windows XP SP3 / Vista / 7
Mac OS 10.6 or later
Memory : Recommend environment for respective OS
HDD : Available capacity required 64 MB or more (Additional capacity to save photos and videos required)
Browser : Internet Explorer 7 or later, Safari 4.0 or later, Firefox, and Google Chrome 5.0 or later
* SD cards shall be usable.

Specification

Battery .... AAA alkaline battery / Rechargeable battery x 2
Battery life................................... Continuous trip recording time: About 6.5 hours
(when automatic photographing is used in combination: About 6 hours)
Recording medium .... microSD card HC (up to 32GB)
Automatic photographing interval 1 minute, 2 minutes, 5 minutes, 10 minutes (to be set using the dedicated application software "INOU Sync™")
Record pixels .... 640 x 480 pixels (VGA) 30 fps
Speed sensor receiving distance ... In the range of 20 to 70 cm (equivalent to the cyclocomputer applied)
* The speed sensor may be out of the receiving range when INOU is mounted somewhere other than the handlebar.
Working temperature .... 32 °F - 104 °F (0 °C - 40 °C)
Dimensions/weight .... 3-51/64" x 2-3/4" x 1-15/32" (96.5 x 70 x 37.5 mm) / 5.29 oz (150 g) (Including battery, bracket, and microSD card)
* The battery life is for reference only. It may vary depending on the service condition. The battery life packaged might be shorter than the above-mentioned specification. The battery life may be extremely short at a low temperature.
* The specifications and design are subject to change without notice.

LIMITED WARRANTY

2-Year Main unit only (Accessories/Battery Consumption excluded)
CatEye products are warranted to be free of defects from materials and workmanship for a period of two years from original purchase. If the product fails to work during normal use, CatEye will repair or replace the defect at no charge. Service must be performed by CatEye or an authorized retailer. To return the product, pack it carefully and enclose the warranty certificate (proof of purchase) with instruction for repair. Please write or type your name and address clearly on the warranty certificate. Insurance, handling and transportation charges to CatEye shall be borne by person desiring service. For UK and REPUBLIC OF IRELAND consumers, please return to the place of purchase. This does not affect your statutory rights.

| STANDARD PARTS | **5338827N** H-34N Bracket | **5341831** Helmet mount |