

# **MAROMX**

## **ELITE**



## **User Manual**

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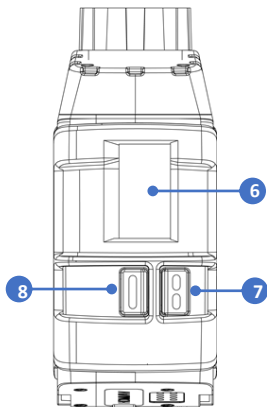
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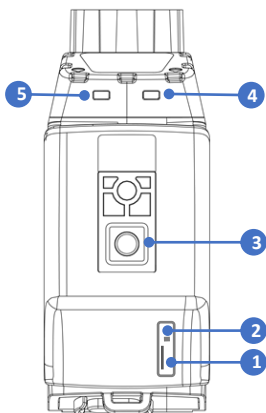
## Camera Overview

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Top side



Bottom side



1. SD-card slot

3. 1/4" Nut

5. Battery Indicator LED's

7. Snapshot/ Scroll Button

2. Reset Button

4. Status Indication LED's

6. LCD Screen

8. Power/ Record/ Scroll Button

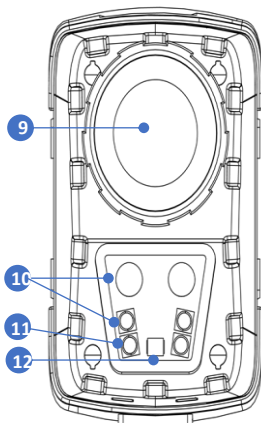
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**Note:** The SD-card & the Reset button located under the flexible shield

## Camera Overview

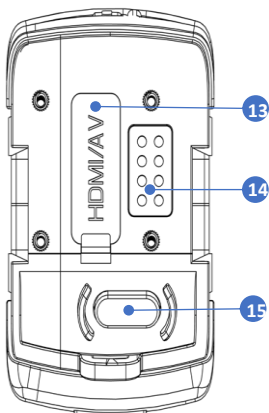
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Front side



- 9. Camera Lens
- 11. White Illumination LED
- 12. Light Sensor

Back side

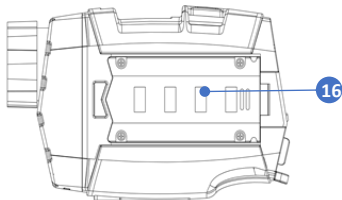


- 10. Infrared Illumination LED
- 13. HDMI/AV Port
- 14. Pogo Pin interface Connector
- 15. FN Button

## Camera Overview

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Camera Side



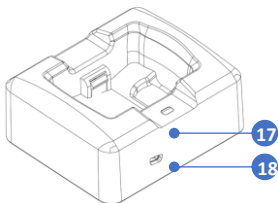
### 16. Secure Mechanical Attachment

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Learn how to use the accessories that came with your MAROM-X camera. See Mounting Your camera (page 34).

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## Docking Station

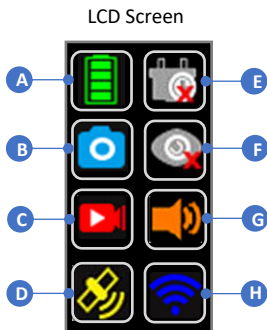


The Docking Station is the data interface and the camera battery charging.

- 17. Indication LED
- 18. Mini USB cable socket

## Camera Overview

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The status is symbolized in the following way;

1. Still non-color icon represents an Off function.
2. Flashing icon represents a function initiation.
3. Still colored icon represents an operating function.

- A. Battery Level
- B. Snapshot Function
- C. Video Recording
- D. GPS Function
- E. Battery Charging
- F. IR Illumination
- G. Sound Function
- H. WIFI Connection

- B. Snapshot Function
- D. GPS Function
- F. IR Illumination
- H. WIFI Connection

## Setting Up Your Camera

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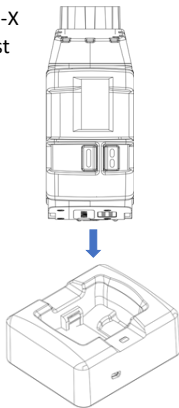
### MicroSD card

The camera comes with a 32GB MicroSD card (Inside the camera) to save your videos and photos. You can use any MicroSD card with a capacity up to 128GB.

### Charge Your Camera

For the best experience with your new MAROM-X camera, fully charge the battery before your first use.

1. Connect the USB cable to the docking micro-USB cable socket.
2. Connect the USB cable to your PC – The indication LED would turn RED so indicate that power input is provided.
3. Insert the camera to the docking - The camera would beep and a USB CONNECT text would appear on the LCD screen.



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**Note:** For charging, you can also connect the USB cable to a power input USB charger (5V)

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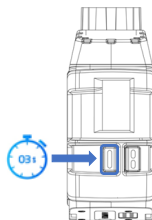


## Getting Started with Your Camera

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### Powering ON/ OFF

- Press and hold the power button for 3 seconds to turn the camera on. The camera will be in standby mode.
- Hold the power button for 3 seconds again to turn the camera off.



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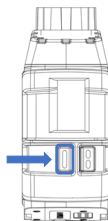
**Pro Tip:** When the camera is powered off, a short press on the power button will power the camera and start video recording.

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### Video Recording

When the camera is at standby mode:

- Short press record button to start video recording, recording initiates with audio prompt (Recording start), Status Indicator LED (Red recording indicator flashing) and camera vibrates once.
- Short press the power button to stop the video recording. Status indicator LED turns still green and the camera vibrates twice.



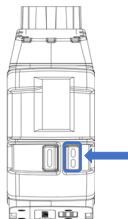
## Getting Started with Your Camera

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### Snapshot

Either when the camera is at standby mode or at recording video:

- Short press the snapshot button to take a photo.



### Covert Mode

- Long press the snapshot button for 3 seconds to enable covert mode. Both LED, LCD & voice indication will be disabled. Camera recording status will be indicated by vibration: start recording vibrates once, stop recording vibrates twice.
- Long press the snapshot button again for 3 seconds to disable covert mode.

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**Pro Tip:** After One minute without buttons operation, the screen will turn Off. A short press of any button will set it on again without having its function operated.

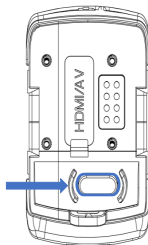
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## Getting Started with Your Camera

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### IR Infrared Night Vision

- Short press the FN button once to turn on the IR Illumination. Press again to turn IR Illumination Off.



### Visible White Illumination

- Press and hold the FN button for 3 seconds to turn on the white illumination. Long press again to turn white illumination Off.

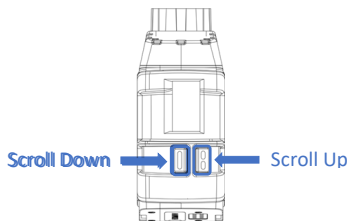
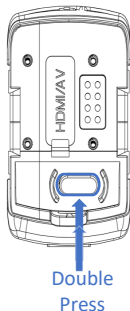


## Customizing Your Camera

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### Camera User Menu

- To enter the user menu double press the FN button while the camera is on Standby.
- Press the scroll up or the scroll down button to select the right option from the menu.
- Then briefly press the FN button to enter the function, use the Scroll Up or the Scroll Down button to select the right mode of the function, and then briefly press the FN button to leave the function.
- To exit the user menu double press the FN button.



## Customizing Your Camera

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### Resolution and FPS

Choose the resolution and the FPS that suits you best;

- 2560 X 1440 @ 30FPS
- 2304 X 1296 @ 30FPS
- 1920 X 1080 @ 60FPS
- 1920 X 1080 @ 30FPS
- 1280 X 720 @ 60FPS
- 1280 X 720 @ 30FPS
- 848 X 480 @ 60FPS
- 848 X 480 @ 30FPS

### Loop Recording

Choose if you would like that the ongoing recorded data would overlap the earliest recorded data in the SD Card

- On – Overlap the earliest recorded data.
- Off

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See guidance on how to operate the user menu on page 13

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## Customizing Your Camera

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### Auto IR LED

The camera has a lighting sensor allowing her to switch between day to night mode automatically. When the camera operates under night mode, the IR Illumination will turn on.

You can choose the option you prefer;

- On – for automatic switching between day (visible, color) recording to night (IR, Monochromatic) recording.
- Off

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**Pro Tip:** you can manually switch to night mode by turning on the IR Illumination (see page 12)

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See guidance on how to operate the user menu on page 13

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## Customizing Your Camera

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### WIFI

Choose the interface that your camera will connect wirelessly to him;

- App On - for IOS/Android interface
- STA On - for PC interface.
- Off

### GPS

The built-in GPS records the camera location to be viewed through dedicated video and location players.

Choose to turn the function on or off;

- On - for GPS location (embedded in the recorded data).
- Off

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See guidance on how  
to operate the user  
menu on page 13

## Customizing Your Camera

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### Sound

The camera has audial indications, choose if you prefer it to be active or turned off

- On - for active audial indications.
- Off

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See guidance on how to operate the user menu on page 13

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### Sound Indications

The sound indications are as follows:

- General function On – one beep is sounded .
- General function Off – two beeps are sounded .
- Camera On – "camera on" is enounced .
- Camera Off – "camera off" is enounced .
- Snapshot – a "click" sound indication.
- Low battery – When camera battery level reaches 5% "low battery" is enounced .
- Low Data Storage – When the camera memory level descends to 200MB "card full" is enounced.



## Customizing Your Camera

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### LED

Set which status lights blink. Choose On (default) or Off;

- On – for active LED Indication.
- Off

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See guidance on how to operate the user menu on page 13

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### LED indications

The Status indication LED are as follows:

- Still Green: standby mode.
- Flashing Red: video recording .
- Flash once (red): taking a photo .
- Still Orange: waiting to be reset with reset button after FW version download.

The Charging indication LED are as follows:

- Still red: charging status .
- Still green: the camera is fully charged.

## Customizing Your Camera

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### Vibration

The camera has vibration indications, choose if you prefer it to be active or turned off;

- On – for active vibration Indication.
- Off

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See guidance on how to operate the user menu on page 13

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The Vibration indications are as follows :

- General function On – One vibration boost .
- General function Off – Two vibration boosts .
- Camera on and start recording - One vibration boost, pause and another one vibration boost .
- Camera on to standby – one vibration boost .
- Camera Off – Three vibration boosts

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**Note:** At Covert Mode, the vibration indication is working unless switched Off. Please take into consideration that while in Covert Mode and with vibration turned off, it would be hard to determine camera status unless the covert mode is turned Off.

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## Customizing Your Camera

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### Format Card

By using this function, you can delete all the information stored in the camera SD card. Choose the option to do or not to do;

- On – would format the camera SD card.  
And the camera would turn Off.
- Off

### Screen Save

The camera has LCD Screen Save mode, choose if you prefer that the LCD Screen will be On or Off.

- On
- Off

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**Pro Tip:** The camera has the ability to activate Covert Mode, you can learn more about the function on page 11

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See guidance on how to operate the user menu on page 13

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## Customizing Your Camera

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### IR LED

The camera has the ability to enter night shooting mode (black & white) with or without IR illumination. You can choose to turn the function on or off;

- On – Shooting with the IR illumination.
- Off - Puts the camera in night mode, but the IR illumination turned off.

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**Pro Tip:** A short press on the FN button will turn On the IR illumination

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See guidance on how to operate the user menu on page 13

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## Resetting Your Camera

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### Camera Hard Reset

The Reset Button is located inside the SD card port .

Press and hold the reset button using a thin element for 10 seconds.

Use the reset button only if the camera freezes up or works abnormally.

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**Note:** this action will reset all of your camera's original preset settings to the defaults.

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## Camera APP

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### Camera Application

Use the app to control your camera, start recording, frame shots, adjust settings, and more.



1. Download the camera app from the Apple© App Store© or Google Play™. The application name: **EYECAM PRO**
2. Follow the app's on-screen instructions to connect your camera.

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**Note:** After you've connected once, you can start connecting through your Smartphone connections menu.

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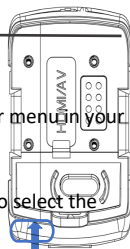
If your camera's wireless is not already on, please turn on the WI-FI in your camera. (See guidance on the next page)

## Camera APP

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### Turn on the WIFI in your camera

1. While the camera is at Standby, enter the user menu in your camera by double-pressing the FN button.
2. Press the scroll up or the scroll down button to select the WIFI option from the menu.
3. Then briefly press the FN button to enter the WIFI function, use the Scroll Up or the Scroll Down button to select the APP ON mode of the function, and then briefly press the FN button to leave the function.
4. To exit the user menu double press the FN button.

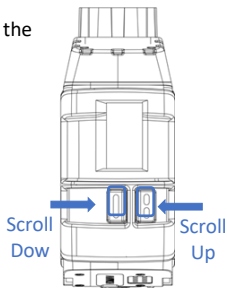


FN button

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**Note:** The WIFI icon on the LCD screen would flash a few seconds until the WIFI is turned on and would appear still and colored.

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## Camera APP

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## Connect Camera Application

1. Select the camera WIFI name on your smartphone and enter the password. The default password is 1234567890
2. Turn on the EYESCAM PRO application and select "connect device" to enter the camera interface.

Connect device

3. Once the device is connected, click the "Device Connected" button, and then the camera video stream should appear on your screen.

Connecting device

- Tap the Record button to start/stop the video recording .
- Tap the Photo button to take a snapshot .
- Tap the Folder button to see your files .
- Tap the Settings icon (In the upper right corner) to make camera adjustments

## PC Camera Management Tool

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## Install the Applications

The PC camera management tool is provided for camera settings, configuration and files download.

- Download and install the following tools to your PC;
  1. PC management tool
  2. Docking Station USB driver

You can download them from:

[www.maromx.com/support/](http://www.maromx.com/support/)

- Once installed, connect the Docking Station to one of the PC USB ports.
- Insert the camera into the Docking Station.  
The camera would sound a "beep" and USB CONNECT would appear on the camera LCD screen. This signals that the USB interface is activated.

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Note: while the camera is connected to the docking station, it would also be charging its internal battery.

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## PC Camera Management Tool

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## Connect the Application

Once the application installed, click on the management tool application. A welcome screen would appear:



**Body Worn Camera**

User Type :

Password :

- Click the CONNECT virtual button on the screen, if the connection is successful the writing would change to CONNECTED
- Enter Password. The default password id "000000" It could be later changed to preference.
- Press the login button.

## PC Camera Management Tool

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## PC Camera Management – Menu

Once entered, the following screen would appear:

The screenshot shows the 'PC Camera Management 3.0' interface. It is divided into several sections with numbered callouts:

- 1** points to the **ID Information** section, which includes fields for Device ID (MA700MX) and Police ID (000000), with 'Get' buttons.
- 2** points to the **Password** section, which includes fields for Old Password and New Password, with 'Get' and 'Modify' buttons.
- 3** points to the **Camera** section, which displays information like IP (9.108.12.75/10.108), FW Version (PUS\_Omg\_v1.05\_200909), and buttons for 'Set Default', 'Set Time', and 'Enter ID Disk'.
- 4** points to the **Network** section, which includes **WiFi Information** (SSID, Password), **4G Information** (APN, APN User, Password), and **Server Information** (IP, Port), each with 'Get' buttons.
- 5** points to the **Camera Config** section, which includes settings for Resolution, Quality, Codec, Split Time, Loop Record, Pre-Record, Live Stream, Infrared, Time Zone, WFE, Volume, UPS, Auto Record, Motion Detect, Video Stamp, Photo Size, and Coding Format, with 'Get' and 'Set' buttons.

The sub-screens fields are as follows:

1. Camera ID
2. Camera password
3. Camera info
4. Network configurations
5. Camera configurations

## PC Camera Management Tool

## PC Camera Management – Menu

### 1. Camera ID

In this section, you can determine a new camera ID if required.

- Device ID
- Police ID

---

**Note:** The ID information will be part of the video recorded watermarking and metadata signature that can be later searched.

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### 2. Camera password

In this section, you can determine a new password if required.

- Old password
- New password

## PC Camera Management Tool

## **PC Camera Management – Menu**

### **3. Camera info**

In this section, you can view and set the camera general info.

- Camera Data storage status (TF).
- FW version.
- Default settings selection .
- Set Time to Local PC time (by default).
- Enter U Disk as USB storage on your PC explorer.

### **4. Network configurations**

In this section, you can view and set the camera streaming configurations.

- WIFI Information: Name & Password.  
as would appear on your Smartphone/Computer.
- 4G Information (not available on the Elite model)
- Server Information. (not available on the Elite model)

## **PC Camera Management Tool**

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## **PC Camera Management – Menu**

### **5. Camera configurations**

In this section, you can view and set the camera configurations

- Resolution of the camera
- Quality for the recorded videos
- Codec type
- Split time for the video file storage segments
- Loop recording
- Pre-recording (not available on the Elite model)
- Infrared initiation Mode
- Time zone
- Volume of the camera audio
- GPS
- Rec Warning
- Video Stamp
- Photo size by electronic enhancement
- 4G streaming (not available on the Elite model)
- Wi-Fi Streaming
- Post Record (not available on the Elite model)
- Auto Record (not available on the Elite model)
- Motion Detection (not available on the Elite model)
- Live Stream options for WIFI

## **PC Camera Management Tool**

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## Setting the information

- To get the connected camera existing setting, press the GET button. The information will appear in the relevant fields.
- For information setting, insert information or select an option of the desired available field. After the selection is made, press the SET button to compile the settings to the connected camera. A success notification would appear.
- For options such as Set Default, Set Time, and Enter U-Disk, press the button, and the function would be activated.

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**Note:** all settings are valid once clicked the SET button; hence the camera is ready to go and may be used once removed from the docking station.

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## Download Your Media

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You can download your media from the camera via the PC Camera Management tool or via the SD card.

### **Download Via PC Camera Management**

1. Insert the camera into the docking station and enter the PC Camera Management application (see instructions on page 26)
2. Clicked on the “Enter U Disk” button (At the top right of the screen).
3. Once clicked, a “U DISK” text would appear on the camera LCD screen to signal that it is now connected to the PC as a storage device.
4. The camera storage is now available at your computer explorer.

### **Download Your Media**

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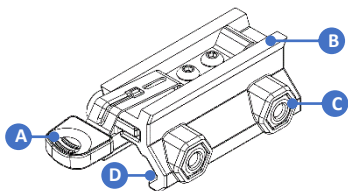
## **Download via SD card**

1. Remove the SD card from your camera.
2. Insert the card into an SD card reader or adapter.
3. Plug the card reader into your computer's USB port ,or insert the adapter into the SD card slot.
4. Copy the files to your computer.

## **Mounting Your Camera**

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## PICATINNY Rail and Sticker Adapters

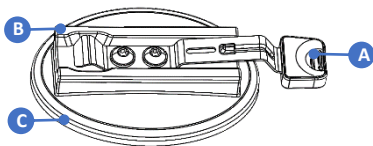


A. Adaptor Handle

C. Screw Nut

B. Rail to the Camera side

D. Rail to the Rifle Side



A. Adaptor Handle

C. Adhesive Surface

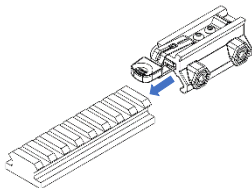
B. Rail to the Camera side

## Mounting Your Camera

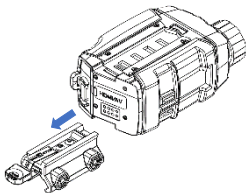
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## Mount your camera with the PICATINNY adaptor

1. Open the screw nut of the adaptor, and insert the Picatinny adaptor into the rails of the rifle.



2. When the adaptor is placed, close the screw nuts to lock the adaptor in the desired location.
3. Insert the camera into the adaptor rails.



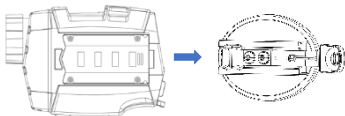
4. To remove the adaptor from the camera rail, press the handle and pull the adaptor in the opposite direction.

## Mounting Your Camera

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## Mount your camera with the sticker adapter

1. Thoroughly clean the adhesive surface.  
(See guidelines in the next page)
2. Remove the protective paper from the adhesive area of the adapter, and attach the adhesive surface of the adapter to the object you wish to stick.
3. Insert the rail of the camera to the adapter until the end of the move, when the side without the handle enters first.



To remove the adapter from the camera rail, press the handle and pull the adapter in the opposite direction.

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## Mounting Your Camera

## **Guidelines for the sticker adapter**

Follow these guidelines when attaching adhesive mounts to helmets, vehicles, and gear;

- Only attach the mounts to smooth surfaces. They won't stick properly to porous or textured surfaces.
- You can clean with alcohol but before it is recommended to check with the manufacturer's instructions
- Firmly press mounts into place. Be sure the adhesive is in full contact with the surface.
- Only use on clean, dry surfaces. Wax, oil, dirt, or other debris will weaken the bond, and you could lose your camera.
- Attach mounts in dry room temperature conditions. They won't stick properly in cold or damp environments or on cold or damp surfaces.

## Regulatory Information

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See guidance on how to operate the user menu on page 13

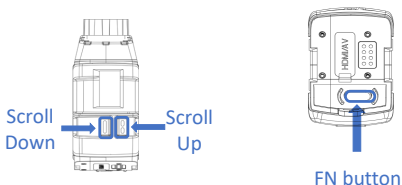
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FCC ID: 2AWVP-WATCHCAM

### **E-Label instructions**

- Step 1: When the camera is on standby mode, press twice the “fn button”, it's will entering the "user setting menu"
- 
- Step 2: Scroll down to "certification info" mode
- 
- Step 3: Press the "fn button" to see the certification data

- Press the "fn button" to back to user setting menu.



### **FCC Warning (Modification statement)**

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC Rules.

### **FCC Regulatory notices**

This device complies with Part 15 of the FCC Rules .  
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device

### **Regulatory Information**

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## **The FCC Wants You to Know**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- A. Reorient or relocate the receiving antenna.
- B. Increase the separation between the equipment and receiver.
- C. Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- D. Consult the dealer or an experienced radio/TV technician.

If shielded cables were used for testing include:

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception.

## **Regulatory Information**

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**SAR:**

The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact is minimized during normal operation.

The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/Kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should be minimized.

For body worn operation, the device has been tested and meets the FCC RF exposure. Guidelines when used with an accessory designated for this product or when used with an accessory that Contains no metal and that positions the handset a minimum of 0mm from the body.

**Customer Support**

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MAROM-X is dedicated to providing the best possible service .  
To reach MAROM-X customer support please visit;  
**[www.maromx.com/support](http://www.maromx.com/support)**