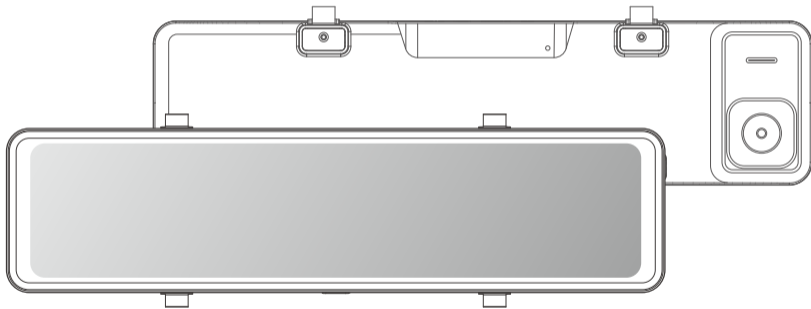




USER MANUAL

M12 Mirror Dash Cam



Please read this manual thoroughly before using and keep it for future reference.

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SAFETY CAUTION

Attention

Incorrect operation of product(s) may lead to safety risks. Therefore, we STRONGLY recommend you read the instructions carefully before the first use.

- Do not let the device come into contact with liquids! Moisture damage will void the warranty for the device. In case any liquid has penetrated the device, disconnect the charging cable and turn off the device immediately.
- Do not attempt to open the housing of the device. If opened, the warranty becomes void.
- Clean the device with a soft clean cloth to avoid scratching the lens or screen of the device.

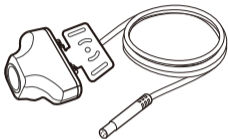
NOTICE

- To ensure an uninterrupted use of the device, please connect it to the car charger while recording to avoid sudden shutdown due to insufficient battery.
- Please power the device with the car charger provided. Make sure the camera lenses are clean and not blocked.
- It is recommended that you perform a pre-installation test to ensure the device is in good condition.
- DO NOT leave the product where the temperature may exceed 70°C (160°F) for a long time to prolong its service life.

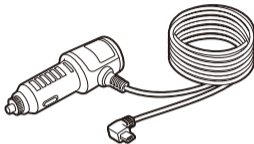
PACKING LIST



● Mirror Dash Cam



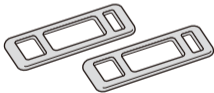
● Rear Camera



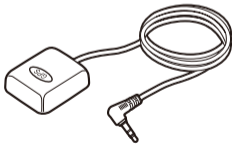
● Car Charger Adapter



● Rear Camera Extension Cable



● Strap x2



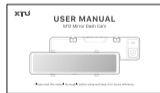
● GPS



● Screw x2

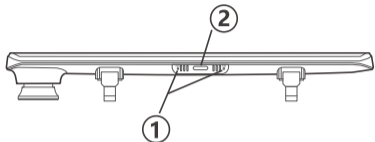


● Adhesive

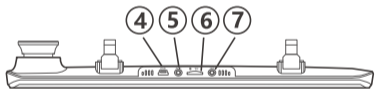


● User Manual

PRODUCT OVERVIEW

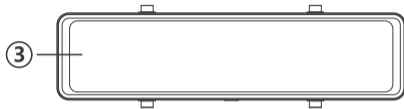


(Underside view)

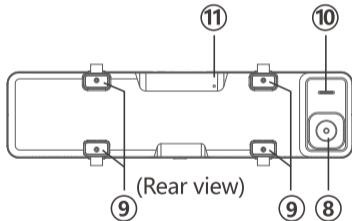


(Topside view)

- 1** Mic
- 2** Power Button / Screen Saver
- 3** Touch Screen
- 4** Power Input
- 5** Rear Camera IN
- 6** SD Card Slot



(Front view)



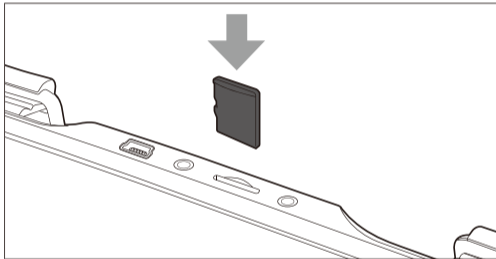
(Rear view)

- 7** GPS Port
- 8** Camera Lens
- 9** Back Clasp
- 10** Speaker
- 11** Rest

INSTALLATION

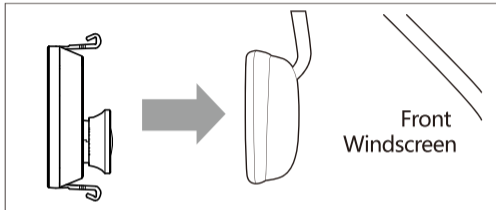
Installation of front camera

① Insert the micro SD card into the dedicated slot.

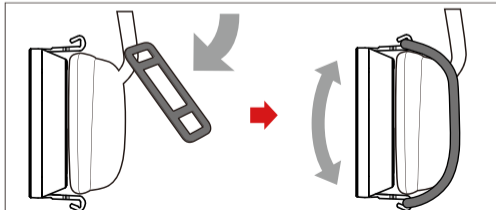


- Micro SD Card U3 or above is Highly Recommended for M12 mirror dash cam (Micro SD card is not included).
- Please format the SD card in the camera before using this mirror dash cam.

② Attach the mirror dash cam on the rear view mirror.

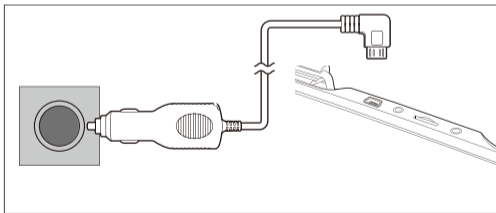


③ Fix with straps behind the front camera.

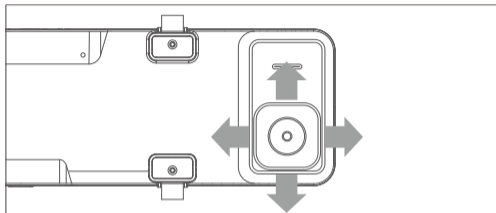


- Be careful not to block the field of view of the front camera lens.
- Make sure that the strap can hold the camera and rear view mirror firmly.

④ Connect the car charger to the car cigarette lighter port, then connect the USB connector to the USB power input of the mirror dash cam.

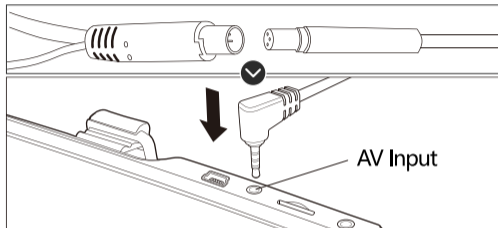


⑤ Adjusting the view angle of the front camera.

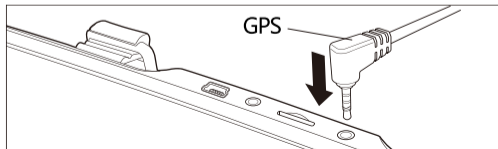


- The front camera lens can be rotated up and down, left and right, please manually adjust to a suitable position.
- Please peel off the protective films on the camera lens to obtain the best view.

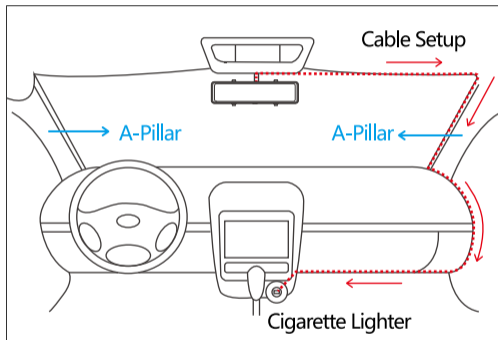
⑥ Connect the rear camera and the extension cable to the dash cam to check whether the rear camera works well.



⑦ Connect the GPS module to the dash cam, and attach it on the A-Pillar.



⑧ To hide the cables, please refer to the following instructions.



Installation of rear camera

Position 1:

Install the rear camera on the rear windshield. Position 1 is designed for live stream rear review only, not for reversing guide. This kind of installation is easier.

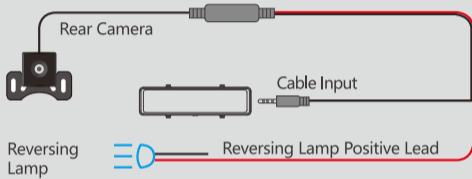


Position 2:

Install the rear camera nearby the license plate. The rear image position 2 is sharp for live stream rear view and reversing guide. This kind of installation is highly recommended.



※ For the reversing guide feature, install the rear camera in position 2, then connect the red trigger cable of the rear camera extension cable to the positive lead of the car reversing lamp.



Tips:

- Please clean the position to ensure the adhesive quality before install the rear camera.
- Please clean the rear windshield regularly to ensure the video quality if choose the position 1.

- If choose the position 2, you can install the rear camera with the included adhesive sticker or screws.

Notes:


- The device is fastened with a very strong acrylic foam tape, which resists changing conditions and UV radiation. It is not recommended removing it and to re-fasten it. However, if it is necessary to remove the camera holder and to re-fasten it, a new tape strip should be used.
- The easiest way to remove the camera holder is to remove first the camera and thereat to grasp firmly from the edges from the edges of the holder, as close as possible to the windshield. By turning the holder clockwise or anti-clockwise, the tape should release. As the tape is characterized by strong tensile strength, it is difficult to remove

it by pulling. Do not use a screwdriver or any other tool for removing ,as this may damage the holder or windshield.


- In some car models power supply to the charging socket is not interrupted when the engine is switched off. In this case disconnect the charger from the charging socket, to avoid draining the battery of the car.
- After installation,start the car and it will work and begin to record the video, please adjust the camera angle to make it in the middle of the road.

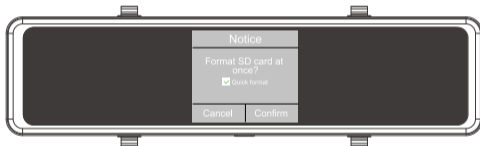
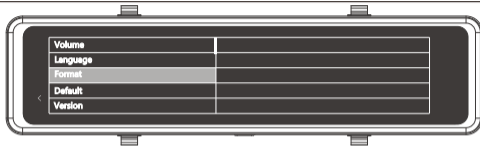
FORMATTING THE MICROSD CARD

To ensure the compatibility with the camera, the SD card needs to get formatted on the camera. This dash cam supports SD card up to 128GB with class 10 & above.

- ① After inserting the SD card into the camera and turning on the camera, touch the screen, then tap  to stop recording.



- ② Tap  to enter setting interface, select **"Format"**, tap **"Confirm"** to format the SD card.




- All data will be deleted after a successful format, please remember to backup your important data on your other devices in advance.
- Every time you insert a SD card, please format it in the camera to ensure that the SD card is compatible with the camera.

GETTING START

The camera starts recording immediately after powering on, tap  to stop recording.



 2.5K+1080P


display the current recording resolution.


00:00:54


display the recording time.


EV D679


display the license plate you set.


 tap to turn on / off recording sound.

 tap to save and end the recording.


 tap to take one photo.

 tap to check the recording files saved.

 tap to enter settings.


- To interrupt recording, briefly tap  Then the red blinking round light indicating recording disappears from the screen.
- When start recording but the time still display "0:00:00", that means the SD card is full. If turning on "**Loop Record**", you don't need to change or format the card, it still records and the newest file will overwrite the oldest file automatically.


Check and Delete the Files Saved

Tap  to check the photos/videos saved, then you will see the interface below.




Tap  to check the ordinary videos.


Tap  to check the locked videos.

Tap  to check the photos saved.

Tap  to view the videos/ photos taken from the front and rear cameras.

Tap  to choose the videos/photos in batches.

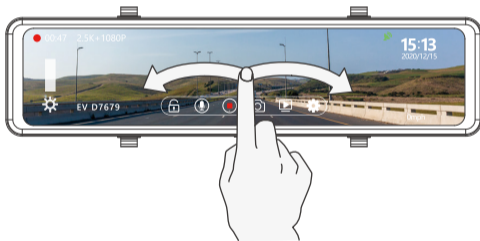
Tap  to delete the videos/photos.

Tap  to get back to the previous interface.

Swipe Gesture

1. Switch the View Mode

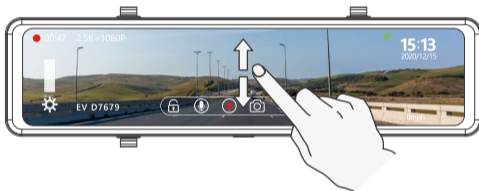
Slide toggle from right-to-left or left-to-right on the screen to switch the view mode from front view only, back view only, and both front and back views.



※ This gesture only works when the rear camera is connected.

2. Adjust the View Angle

Slide up or down on the screen to adjust the view angle.



※ If you choose the view mode that displays the both views of front and rear cameras, the view angle adjustment feature is to be disabled.


3. Screen Brightness

Slide up or down on the left of the screen to adjust the screen brightness.



Sliding up: the brightness lightens;
Sliding down: the brightness darkens.

Lock the Current Video

If you would like to save the recording(to lock it). Tap  on the screen to lock the current video. Otherwise the recordings will be deleted in chronological order according to how the memory of the card is filled up.



- The video will last about 20s.

Audio

The dash cam allows the recorded videos with sound or no sound. Tap  to turn on/off the record audio.

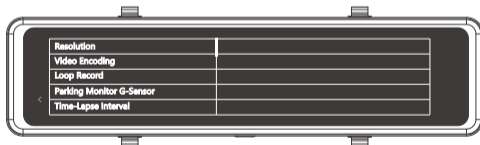


Setup

- ① Tap  to enter settings.



- ② Then you will see the interface below.



Resolution

Tap to shift the resolution from 2.5K+1080P and 1080P+1080.

Video Encoding

Video Encoding is used to store and transmit videos, and supports two mainstream video encode standards:H.265 and H.264.

Loop Record

- 1 Minute/3 Minutes/5 Minutes are optional.
- The files will be saved every 3 minutes if you choose 3 minutes. When the memory card is full, the new files will overwrite the old one if the loop recording is on; If it is off, the card won't record anymore when it's full, so you need to format the SD card or get a new one.

Time-Lapse Recording

When you turn on time-lapse video mode, the video recorded will be compressed according to the time interval you set.

Time-Lapse Interval

Use this chart to determine the length of your videos.

For example, recording for 5 hours with a 0.5 Sec interval will give you 20 minutes of time lapse video in any 30 FPS video mode.

interval	recording	video length	
		30 FPS	60 FPS
0.5 sec	5 h	20 min	10 min
1 sec	12 h	24 min	12min
5 sec	24 h	9.6 min	4.8 min

Notes:

- An extra Hardwire Kit (not included) is required for using the time-lapse video function.
- When the Hardwire Kit is connected to the camera, these two options will appear on the menu.

Parking Monitor

- The camera will be turned on automatically and start recording 20s urgent video, if there is a hit of the car during parking.
- Tap to set sensitivity from OFF /Low /Middle /High.

Note:

An extra Hardwire Kit (not included) is recommended for using this function.

G-Sensor

The Built-in G-Sensor will detect collision and lock the footage which will never be covered by new files.

Tap to set G-sensor sensitivity from OFF /Low /Middle /High.

※ The video will be stored as a file based on the time you set in the loop recording. When driving, if the road is bumpy, please adjust it to low or turn off it directly to prevent the camera doesn't work because of the memory card is full. When parking, recommend you to adjust it to medium.

Screen Saver

The screen will be turned off automatically after the time you set. After turning off, the screen will reduce power consumption, the camera still work and record under the display off. Tap the screen can wake up the screen.

Stream Media Mirror

If the stream media mirror is ON, the display will show the mirror image of the backup camera when starting the engine. If it's OFF, the display will show the normal images.

Date&Time

Tap to start setting the date and time. Swipe upward/downward to select the year, month, date, hour, and minute, then tap Confirm to set the time.

License Plate

Enter your vehicle license to be displayed on the lower left corner of the touchscreen display.

Key Sound

Turn ON / OFF the key sound.

Boot Sound

Tap to turn ON/ OFF the Boot sound.

Volume

Tap to adjust the volume of the key sound.

Language

Change your language.

Format

Tap to bring up the option of formatting the memory card.

Default

Tap to bring up the option of resetting the camera to the factory default.

Version

Check the version of the camera.

GPS

Only available when the GPS Receiver is installed into the GPS port of the dash camera.

Time zone

- Tap to select the time zone for your dash camera.

Speed calibration

- Tap to manually adjust the speed of your vehicle displayed on the screen.

GPS information

- Tap to check the detailed information of GPS, including GPS status, the number of satellites, the longitude, the latitude, and more.

PLAY VIDEOS ON COMOUTER

The recordings can also be viewed in the computer. For this you need a separate memory card reader for the microSD card. The recordings are in a separate file on the card and they can be freely used and downloaded into the computer. No separate programme is needed for downloading or viewing.



back_emr



back_norm



fron_emr



back_photo



fron_norm



back_norm



front_photo

SPECIFICATIONS

Name	XTU Mirror Dash Cam
Screen	12" IPS Touch Screen
MicroSD Card	Micro SDHC Class10 (Max support128GB)
Battery	500mAh
Material	PC+ABS
Working current	1.2-1.5A (typical value) (DC 5V)
Record mode	Dual lens: 2.5K+1080P

Model	M12
Working Temperature	-20°F-150°F
Net Weight	400g
Size	295×72×18mm
Sensor	Front: SONY IMX335 Rear: GC2053
Video coding	H.264/H.265 MP4
Install method	Belt to fix

TROUBLESHOOTING GUIDE

Q1: Why the camera always say "no card inserted" ?

A: ① Please ensure that the memory card is U3 or above.

② Make sure the memory card is installed correctly.

③ Format it in the camera.

Q2: The dash camera stops recording after a period of time.

A: Please check if the memory card is full of locked videos. If yes, please erase the unnecessary videos or format the memory card.

Make sure you select 1 minute, 3 minutes or 5 minutes when setting Loop Recording to prevent the dash camera from stopping recording once the space of the memory card is full.

Q3: The dash camera restarts automatically.

A: Please check if the USB cable is in poor contact.

Remove the memory card to see whether it's caused by the memory card.

Q4: The video recorded in the memory card is blurry or shows strips.

A: Please check whether the lens of the dash camera is dirty.

Please take off the protective film of the lens

Please check whether the windshield of the vehicle is clean enough.




Please select the correct Frequency according to your country or geographical region.

Please adjust the camera to the appropriate position owing to the windshield will reflect the light.

Q5: The touch screen is unresponsive or freezes.

A: Please insert a pin into the Reset Hole on the back to reboot the dash camera.

Q6: Why does the video have no voice?

A: Please confirm whether recording mode is on, an icon  is showing on the screen. If the icon is , please tap  to turn on the audio.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

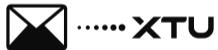


The symbol indicates DC voltage



RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the



CUSTOMER SUPPORT

support@xtucam.com

128g铜版纸

设计尺寸：156×92mm（含3mm出血）

成品尺寸：150×86mm