

WiFi Car DVR

User Manual



Names of Parts



Getting Started

Inserting a microSD Card

Before initial use, insert a microSD card.
(suggested at least 4GB, up to 64GB)



Charging the Unit

Fully charge camcorder for initial use by:

- Car charger
- PC USB port
- USB adapter (not included)

During charging, screen shows battery icon or status indicator flashes in orange. When camcorder is fully charged, the indicator turns off.

Shooting a Video

1. Power on:

Press  to turn on camcorder.

2. Record:

Press  to start recording.

Press again to stop.

3. Playback:

Press  to enter menu settings.

Press  to select [Playback ].

Press [Play ] to play the video and press [] to stop.

4. Return to preview:

Press [] to return.

5. Power off:

Press and hold  for 2 seconds.



Camcorder Operation

In preview, press  to enter menu settings.

Button functions indicated by   . Use   to navigate menu settings and  to back to preview .



Menu Settings

Camcorder has eight menu settings. Advanced settings can be set up via mobile APP.

Menu Settings	Descriptions
 Playback	Play recorded videos
  Action Cam Dash Cam	Switch between Action Cam and Dash Cam
 WiFi - Local	Enable/Disable WiFi for wireless connection
 WiFi - Cloud	Enable/Disable internet cloud connection
 Voice Record	Enable/Disable voice recording (Dash cam mode only)
 Auto Record	Enable/Disable auto recording when car engine starts (Dash cam mode only)
 Screen Auto Off	Screen turns off after 60 seconds of non-operation (Dash cam mode only)
 Settings	Reset to factory default settings or format SD card.

Note: After 10 seconds of non-operation in menu settings, screen returns to preview.

Record Modes

Camcorder has two recording modes for different applications:

 **Action Cam:** Shoot normal videos.

 **Dash Cam:** Shoot loop and emergency videos.

Comparison between modes:

Mode	Action Cam	Dash Cam	
Record type	Normal	Loop	Emergency
Record trigger	Press  in preview		• Car impact • Press  during loop recording
Record duration	Unlimited	Three min. sections	One min. section (30 seconds before and after the event)
Display info.	00:06:36 SD card remaining time	2014/01/01 21:06:36 Current date & time	

Note:

1. During loop recording, oldest files are overwritten if microSD card is full.
2. During loop recording, press  to enable/disable mute function.

Transfer Files to PC:

1. Connect camcorder to PC via Micro USB cable.
2. Find video at "My computer\Removable Disk\".
3. Copy, move, delete, and playback videos on PC.

View Camcorder Screen on TV:

1. Connect camcorder to TV via Micro HDMI cable (not included).
2. Turn on camcorder.
3. Camcorder screen displays on TV simultaneously.

Wireless & APP Operation

Before initial using wireless connections, download and install APP [Unieye Drive] from Google Play Store and Apple Store.

[Unieye Drive] has two functions:

(1) Local - Direct control (2) Internet - Internet live view



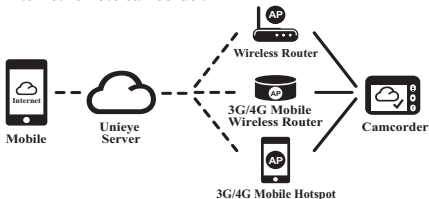
(1) 【Local】

Mobile connects to camcorder directly via WiFi for remote control, live view, album management and camcorder setup.



(2) 【Internet】

Mobile connects to cloud server to view live videos uploaded from internet remote camcorder.





【Local】Function

Before using mobile APP's 【Local】 function, ensure camcorder WiFi is on and camcorder Cloud setting is off. Once WiFi is ready, preview shows camcorder name (R2-xxxxxxx) for few seconds.

Mobile Connects to Camcorder

1. For Android: Turn on [Wi-Fi].
For iOS: Go to [Settings] → [Wi-Fi].
Turn on [Wi-Fi] and select the camcorder name.
2. Run [Unieye Drive].
3. Tap 【Local】 and select the camcorder to enter 【Local】 View Page. Tap [↺] to scan again if camcorder is not found.

Note:

- Mobile cannot connect to camcorder while camcorder is recording.
- For first use, password is not required. User can set camcorder password in Setup Page.



iOS Settings



Local Main Page



Local View Page

4. 【Local】 function has three function pages: View, Album and Setup.



View Page

Items	Descriptions
	Shoot videos and files are saved into camcorder microSD card
	Shoot videos or Take photos and files are saved into mobile "Album\Unieye Drive"
	For multiple camcorders user : • Enable Quad-View for multiple live view on mobile • In Quad-View, select a window for single view.
	Upside down image
	Talk to camcorder from mobile



Album Page (for camcorder)

Folders	Descriptions
	View or delete video files recorded in action cam mode
	View or delete video files recorded in dash cam mode



Setup Page (for camcorder)

Groups	Descriptions
Camcorder Settings	Edit name, password, format SD card, resolution etc.
Internet Settings	Edit Email and AP and save in camcorder. (For internet cloud server connection)
Car DVR Settings	Set motion detector, impact sensor, etc.

Note: 1. In Setup Page, tap [Save] to complete settings to camcorder.

2. Mobile media player may not support SuperHD video.

Camcorder SD Card Setup

When SD card is first-time use or reformatted in camcorder, user should allocate memory for Portable Mode and Car Mode.

Go to [Setup] → [Camcorder Settings]
→ Adjust slide bar and press [Format]
button to complete SD card setup.



Camcorder Internet Setup

Before using internet cloud service, Email and AP must be properly set up.

1. Go to [Setup] → [Internet Settings]
→ Edit Email and AP
2. Tap [Save] to complete Email & AP settings.



Note: AP(Access Point) can be

- Wireless Router
- 3G/4G Mobile Wireless Router or
- 3G/4G Mobile Hotspot



Wireless Router



3G/4G Mobile
Wireless Router



3G/4G
Mobile Hotspot

Motion Detector Setup

When car's engine stops and motion is detected, camcorder automatically records videos till no motion is detected.

1. Set Camcorder to dash cam mode.
2. Go to APP → [Setup] → [Car DVR Settings]
→ Turn on [Motion Detector] → Tap [Save].
3. Camcorder shows  on screen.
4. When car's engine stops, operate camcorder to active [Motion Detector].



G-Sensor Setup

When camcorder is recording and any impacts happen, camcorder automatically records emergency events if G-Sensor is set.

Go to APP → [Setup] → [Car DVR Settings]
→ Select [G-Sensor], [H]/[L] → Tap [Save].

Note : [H] High sensitivity. [L] Low sensitivity.





【Internet】 Function

Before using APP's 【Internet】 function, ensure camcorder internet setup has been completed.

Camcorder Connects to Cloud Server

Enable [Cloud 

Status	Descriptions
	Connection successful. Preview shows [cloud icon] and camcorder ID.
	Login fail: • Invalid AP name or password • Weak WiFi signal or not in WiFi coverage
	Connection fail: • No internet or cloud server is not accessible • Blocked by some firewall

Remote Internet Live View

1. Connect mobile to internet (via WiFi, 3G/4G).
2. Run [Unieye Drive] and tap 【Internet】 .
3. For adding camcorder or using another mobile, tap [plus icon] → Enter the camcorder ID and password.
4. Tap camcorder ID/name to view internet live videos.



【Internet】 Main Page

Troubleshooting

Situation	Cause/Solution
Camcorder cannot turn on	Power is low. Recharge battery
Camcorder is frozen	Press and hold  button for 5 seconds to force shutdown; press again to turn on
Camcorder cannot record	• No microSD card or microSD card is full • microSD card cannot be recognized • Format microSD card or replace microSD card
Camcorder cannot connect to AP or could server	• Invalid AP name or password • Weak WiFi signal or not in WiFi coverage • No internet or cloud server is not accessible • Blocked by some firewall
Mobile cannot find camcorder 【Local】	• Camcorder WiFi is disabled or not in WiFi coverage • Mobile WiFi is disabled • iOS user does not choose camcorder name in Wi-Fi Settings • Tap [Refresh] button on [Unieye Drive]
Mobile cannot watch live view 【Local】	• Weak WiFi signal • Camcorder is recording • Camcorder is occupied by other mobile
Mobile cannot connect to cloud server 【Internet】	Check mobile 3G/4G or WiFi internet connection
Mobile cannot watch live view 【Internet】	The internet bandwidth is insufficient for camcorder upload or mobile download
Forget camcorder password	Enter camcorder menu settings and select [Settings] ➔ [Factory Reset] to reset

FCC Regulations:

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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:

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

FCC RF Exposure Compliance (SAR)

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit adopted by the FCC is 1.6W/kg for an uncontrolled environment. 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. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

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.