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› [IIWEY](#) /

› [IIWEY Q7 Dual 4K Dash Cam with CPL Filter User Manual](#)

IIWEY Q7

IIWEY Q7 Dual 4K Dash Cam with CPL Filter User Manual

Model: Q7

1. PRODUCT OVERVIEW

The IIWEY Q7 is a dual-channel dash camera system designed to record both front and rear views of your vehicle in 4K resolution. It features advanced STARVIS sensors and High Dynamic Range (HDR) for enhanced low-light performance. The system includes a 40mm Circular Polarizing Lens (CPL) filter to reduce glare and improve video clarity, along with a 128GB microSD card for immediate use.

Key Features:

- **Dual 4K Recording:** Captures front and rear video at 3840x2160p resolution simultaneously.
- **Dual STARVIS + HDR Night Vision:** Utilizes 2nd-generation STARVIS sensors and f/1.6 lenses with dual-channel HDR for clear recordings in various lighting conditions.
- **Integrated CPL Filter:** A 40mm polarizing lens reduces glare from reflections and enhances color saturation for clearer video.
- **128GB MicroSD Card Included:** Ready for immediate use with ample storage.
- **Loop Recording & G-Sensor:** Automatically overwrites old footage and locks important incident videos to a protected folder.
- **Wide View & IPS Screen:** 170° wide-angle view for comprehensive coverage and a 3.18" IPS screen for live view and playback.

Front 4K + Rear 4K

Dual channel STARVIS, Clear than ever



Image: Overview of the IIWEY Q7 Dual 4K Dash Cam system, illustrating front and rear camera views and STARVIS technology.

2. SETUP AND INSTALLATION

2.1 MicroSD Card Insertion

1. Ensure the dash cam is powered off.

2. Locate the microSD card slot on the dash cam.
3. Insert the provided 128GB microSD card with the contacts facing the correct direction until it clicks into place.
4. It is recommended to format the microSD card within the dash cam settings before first use.

2.2 Camera Mounting

1. **Front Camera:** Choose a location on your windshield that does not obstruct your view, typically behind the rearview mirror. Clean the area thoroughly. Attach the suction cup mount or adhesive mount firmly.
2. **Rear Camera:** Mount the rear camera on the rear windshield, ensuring a clear view of the road behind. Route the cable discreetly to the front camera.
3. Adjust the lens angles of both cameras to cover the desired field of view (170° for each).

2.3 Power Connection

1. Connect the power cable to the dash cam and plug the other end into your vehicle's 12V power outlet (cigarette lighter socket).
2. Route the power cable along the edges of the windshield and dashboard to keep it tidy and out of the way.

2.4 CPL Filter Attachment

The CPL filter is designed to be easily attached and removed from the front camera lens.

Easy to Adjust & Remove

NOTE: The camera is NOT included in the packaging.



Image: Illustration of how to easily attach and remove the CPL filter from the dash cam lens.

1. Ensure your IIWEY Q7 dash cam has pre-threaded lens for CPL filter attachment.
2. Gently screw the 40mm CPL filter onto the front camera lens until secure.
3. Rotate the CPL filter while observing the screen to achieve the desired glare reduction and color enhancement.

CHECK YOUR **COMPATIBILITY**

Does Your **Dash cam** Have
CPL Filter Pre-Threads?

If **YES**, this is the correct CPL Filter



COMPATIBLE with

These IWEY dash cams are
Pre-Threaded around
the lens for this CPL filter.



Image: Compatibility check for the CPL filter, confirming it fits the IWEY Q7 model with pre-threaded lenses.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

- The dash cam will automatically power on and begin recording when your vehicle's ignition is turned on.
- It will automatically power off shortly after the ignition is turned off.

- To manually power on/off, press and hold the power button.

3.2 Recording Modes

- **Loop Recording:** The dash cam continuously records video in short segments (e.g., 1, 3, or 5 minutes). When the microSD card is full, the oldest unprotected files are overwritten.
- **G-Sensor (Emergency Recording):** In the event of a sudden impact or collision, the built-in G-sensor will detect the event and automatically lock the current video segment, preventing it from being overwritten by loop recording. These files are stored in a separate, protected folder.
- **Parking Monitor (Optional):** If supported and properly wired (requires a hardwire kit, sold separately), the dash cam can record when motion or impact is detected while the vehicle is parked.

3.3 CPL Filter Adjustment

The CPL filter can be rotated to optimize its effect. Rotate the filter until reflections on the windshield or dashboard are minimized, and colors appear more vibrant on the dash cam's screen.

Reduce Reflections and Glares



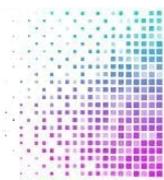
Image: Visual comparison demonstrating how the CPL filter reduces reflections and glare on the road.



Enhance Color and Contrast



Better
Color Tone



Better
Details



Reduce Light
Reflection

Image: Explanation of CPL filter benefits, including enhanced color tone, improved details, and reduced light reflection.

4. MAINTENANCE

4.1 microSD Card Care

- Format the microSD card regularly (e.g., once a month) within the dash cam's settings to ensure optimal performance and prevent data corruption.
- Use only high-quality, high-endurance microSD cards recommended for dash cam use.

4.2 Lens Cleaning

- Gently wipe the camera lenses (front, rear, and CPL filter) with a soft, lint-free cloth.
- Avoid using abrasive cleaners or solvents that could damage the lens coating.

4.3 General Care

- Avoid exposing the dash cam to extreme temperatures for prolonged periods.
- Do not attempt to disassemble or modify the dash cam, as this will void the warranty.

5. TROUBLESHOOTING

5.1 Dash Cam Not Powering On

- Check the power connection to ensure it is securely plugged into both the dash cam and the vehicle's 12V outlet.
- Verify that the vehicle's 12V outlet is functioning correctly.
- Try a different power cable or outlet if available.

5.2 Recording Issues

- **Video not recording:** Ensure a microSD card is inserted and properly formatted. Check if the card is full (if loop recording is off or protected files occupy too much space).
- **Poor video quality:** Clean the camera lenses. Ensure the CPL filter is correctly adjusted. Check dash cam settings for resolution and exposure.
- **G-sensor too sensitive/not sensitive enough:** Adjust the G-sensor sensitivity setting in the dash cam menu.

5.3 Screen Display Issues

- If the screen is black, check if the screen saver function is enabled in the settings.
- Restart the dash cam.

5.4 General Reset

If issues persist, try performing a factory reset through the dash cam's menu settings. This will revert all settings to their default values.

6. SPECIFICATIONS

Model	IWEY Q7
Video Resolution	Front: 4K (3840x2160p), Rear: 4K (3840x2160p)
Image Sensor	2nd-gen STARVIS
Lens Aperture	f/1.6

Field of View	170° (Front & Rear)
Display Screen	3.18" IPS
Storage	Supports up to 128GB microSD card (128GB included)
Special Features	CPL Filter (40mm), HDR, G-Sensor, Loop Recording

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product packaging or visit the official IIWEY website. You may also contact the seller directly for assistance.