IROAD X11

IROAD X11 QHD 2-Channel Dash Camera User Manual

Model: X11

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your IROAD X11 QHD 2-Channel Dash Camera. Please read this manual thoroughly before using the device to ensure proper functionality and safety. The IROAD X11 is designed to capture high-quality video footage of your journeys, offering advanced features for enhanced road safety and vehicle surveillance.

Image: IROAD X11 Dash Camera highlighting key features like QHD, HDR, STARVIS, Cloud, X-Vision, Time Lapse, 155° Wide Angle, ADAS, Wi-Fi, External GPS, and Low Battery Prevention.

Package Contents

Upon unboxing your IROAD X11 Dash Camera, verify that all the following items are included in the package:

- Front Camera
- Rear Camera
- 32GB Micro SD Card
- Uninterrupted Fuse Cable
- Rear Camera Cable
- Wi-Fi Dongle
- User Guide / Warranty Card
- Adhesive Mount with 3M Tape

Image: The IROAD X11 front and rear dash camera units, showcasing their compact design.

The packaging material is rigid and smooth, indicating attention to detail in the packaging process. Lifting the dash cam from its cushion, you can immediately feel its solid construction. The rear camera captures crystal-clear footage of everything happening behind your vehicle. From license plates to road signs, no detail goes unnoticed. The external GPS antenna provides real-time location data and precise GPS coordinates for every moment of your journey. With the rear camera cable connected, you'll enjoy enhanced rear coverage and peace of mind. Connecting the uninterrupted fuse cable to your vehicle's fuse box is a straightforward process, allowing for easy integration with the existing electrical system. Attaching the adhesive sticker to the mounting bracket of the dash camera ensures a stable and secure installation.

Product Overview

Familiarize yourself with the physical components and ports of your IROAD X11 Dash Camera:

Image: Detailed diagram illustrating the various parts of the IROAD X11 dash camera, including front camera lens, security LED, GPS port, OBD scanner port, Wi-Fi dongle slot, power button, V-OUT port, rear camera lens, manual recording button, and Wi-Fi button.

Key Components:

- **Front Camera Lens:** Captures forward-facing video.
- **Security LED:** Indicates operational status and security recording.
- **GPS Port:** For connecting the external GPS antenna.
- **OBD Scanner Port:** For connecting an optional OBD cable.
- **Wi-Fi Dongle Slot:** For inserting the Wi-Fi dongle to enable cloud connectivity.
- **Power Button:** To manually control power.
- **V-OUT Port:** Video output port.
- **Rear Camera Lens:** Captures rear-facing video.
- **Manual Recording Button:** Initiates manual event recording.
- **Wi-Fi Button:** Activates/deactivates Wi-Fi for app connection.
- **Memory Card Slot:** For inserting the microSD card.

Key Features

QHD Dual-Channel Recording

The IROAD X11 Dash Camera features 2560x1440P resolution with 5MP, delivering clearer and sharper images. It captures 4 times more clarity than HD resolution, illustrating 1440p QHD front and rear recording during both day and night.

Image: Visual comparison of QHD, FHD, and HD resolutions, demonstrating the superior clarity of QHD dual-channel recording.

Sony STARVIS Sensor

Equipped with a Sony STARVIS image sensor, the IROAD X11 guarantees ultimate sharpness and night image quality. It records the brightest and cleanest images even in low light environments, providing a much brighter and clearer image compared to what is visible with the bare eye.

Image: Icon representing the Sony STARVIS Sensor technology.

Real HDR (High Dynamic Range)

Real HDR is installed to remove light blurring when driving at night and ensures clear recording quality in various lighting conditions such as backlight and tunnels. This feature helps maintain optimal exposure across the entire image.

Image: Comparison of video footage with HDR off and HDR on, demonstrating improved visibility in challenging lighting conditions.

X-Vision Intelligent Night Vision

In parking mode, the surrounding brightness is automatically diagnosed within 5 seconds. The recording brightness is then set to 3 times higher when the surrounding illumination is low. This allows the camera to record bright and clear images not only in parking mode but also in driving mode, enhancing visibility in dark environments.

Image: Icon representing the X-Vision intelligent night vision feature.

Time Lapse Parking Mode Recording

IROAD Time Lapse supports continuous recording at 1 frame per second (fps) in parking mode. This allows for significant memory saving, enabling continuous recording for up to 30 times longer than other dash cameras, ensuring extended surveillance coverage.

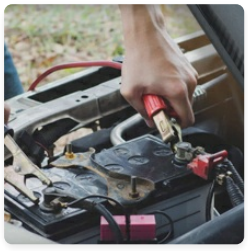

Image: Icon representing the Time Lapse parking mode recording feature.

Cloud Connectivity Through Wi-Fi

Users can watch the X11's live stream and check the vehicle's location in real-time from anywhere at any time. Receive push notifications, get event videos automatically uploaded to the Cloud, and download video footage remotely. Connect the dash cam to the cloud via a mobile hotspot device or a Wi-Fi network with internet access.

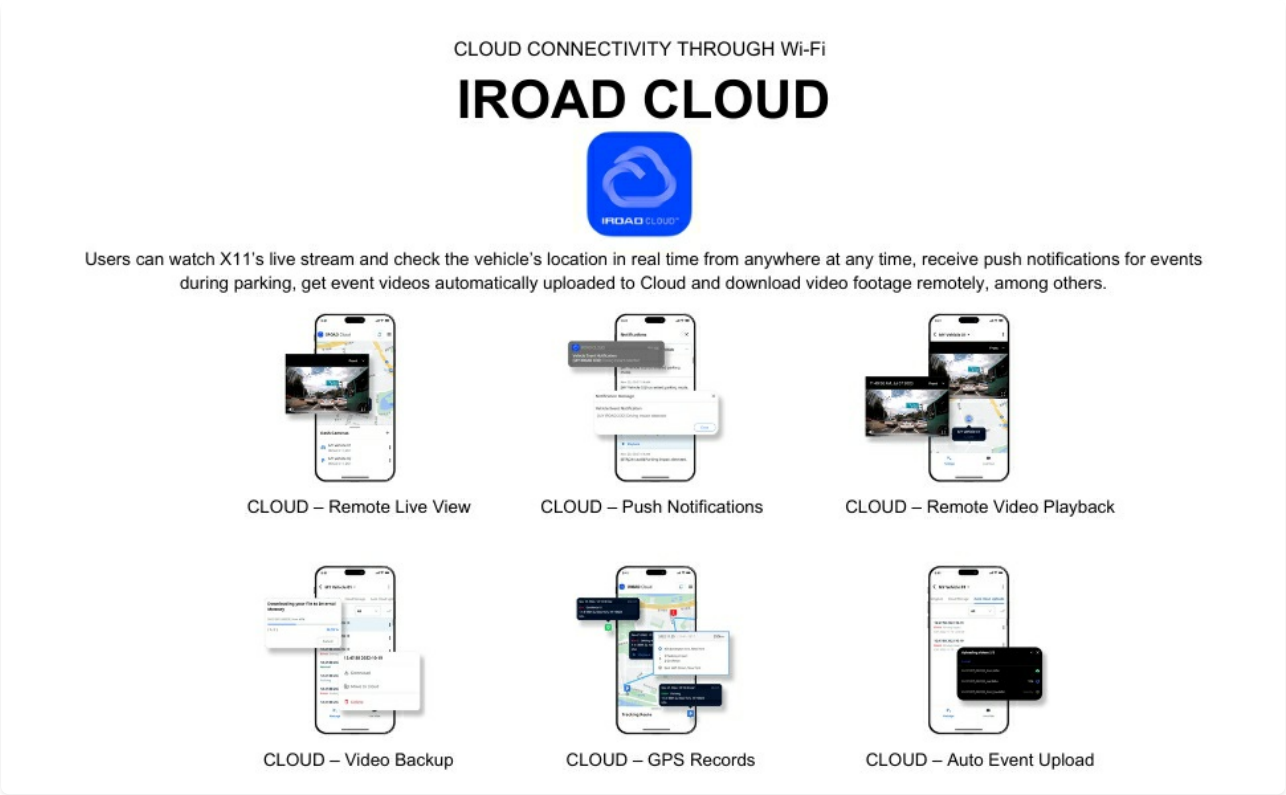

Image: Screenshots of the IROAD Cloud app showing remote live view, push notifications, remote video playback, video backup, GPS records, and auto event upload.

ADAS (Advanced Driver Assistance Systems)

The dash camera is equipped with a Road Safety Warning System that provides audio and visual alerts for Lane Departure (LDWS) and Front Vehicle Departure (FVDW), enhancing driving safety.

Image: Icon representing the Advanced Driver Assistance Systems (ADAS) feature.

LBP (Low Battery Prevention)

For battery protection, the device automatically detects and cuts off voltage when the vehicle's battery voltage drops below a certain point. Once initiated, recording is stopped, and power is turned off to prevent battery discharge. The motion detection function is effective for saving battery life.

Image: Icon representing the Low Battery Prevention (LBP) feature.

All Glass Lens

The IROAD X11 is equipped with an all-glass lens, which is more stable at higher temperatures. This design prevents the lens from warping under high or low temperatures, ensuring optimized image quality is consistently presented.

Image: Close-up of the IROAD X11 dash camera, highlighting the lens construction.

High-Temperature Protection

The IROAD X11 is built to endure both high and low temperatures to keep the device running smoothly. The high-temperature protection function makes the device automatically turn off in case of overheating, protecting both the device and the stored data.

Image: The IROAD X11 dash camera mounted on a car windshield, illustrating its robust design for various temperatures.

Setup

Initial Installation

1. **Prepare the Mounting Location:** Clean the area on your windshield where you intend to mount the front camera. Ensure it does not obstruct your view.
2. **Attach the Front Camera:** Apply the adhesive tape to the front camera mount and firmly press it onto the chosen spot on the windshield.
3. **Install the Rear Camera:** Mount the rear camera on your rear windshield using its adhesive.
4. **Connect the Rear Camera Cable:** Route the rear camera cable from the front camera to the rear camera, ensuring it is neatly tucked away along the vehicle's trim.
5. **Connect Power:** Use the uninterrupted fuse cable to connect the dash camera to your vehicle's fuse box. Follow the wiring diagram provided in the quick start guide for correct connection to constant and accessory power.
6. **Insert MicroSD Card:** Insert the provided 32GB MicroSD card into the memory card slot of the front camera.

7. **Insert Wi-Fi Dongle:** Insert the Wi-Fi dongle into its designated slot on the front camera.

App Installation & Cloud Connection

To utilize the full range of cloud features, download and connect the IROAD Cloud mobile application:

1. Download the "IROAD Cloud" app from your smartphone's app store (Android/iOS).
2. Open the app and sign in with your IROAD Cloud Account E-mail and Password. If you haven't created an account yet, tap the Sign Up button and register. You can also choose to register with your Google or Apple account.
3. Tap the "+" to add a dash cam.
4. Pick the Wi-Fi Tethering option and tap Continue.
5. Press the Wi-Fi Registration button on the dash cam and wait to hear "Stand-by mode for registration" then tap "Continue" in the app.
6. Select your dash cam from the list once detected through Bluetooth. You will hear "Registration complete".
7. Enter the SSID and Password of the internet connection your dash cam will be using to connect to the Cloud (Car Wi-Fi, LTE modem, phone hotspot, home Wi-Fi, etc.). You will hear "Switch to Cloud Mode" and the dash cam's S/N will appear automatically.
8. Give your Vehicle a nickname (e.g., "My Car", "Mom's Car", "My Hyundai", "License Plate No.") and tap the Registration button.
9. Wait for the dash cam to connect to the Cloud (could take 15s ~ a few minutes). You will hear "Cloud is Connected".

Your browser does not support the video tag.

Video: A tutorial demonstrating the process of connecting the IROAD X11 Dash Camera to the IROAD Cloud mobile application on an Android device, including signing in, adding the dash cam, and configuring Wi-Fi settings.

Operating Instructions

Driving Mode Recording

The IROAD X11 automatically begins continuous recording once the vehicle's ignition is turned on. All footage is saved to the microSD card. Event recordings (impacts, sudden braking) are automatically triggered and saved separately.

Parking Mode Recording

When the vehicle's ignition is turned off, the dash cam automatically switches to parking mode. In this mode, it utilizes Time Lapse recording (1fps) and X-Vision intelligent night vision for extended surveillance. Impact and motion detection features ensure that any significant events are recorded.

Using the IROAD Cloud App

- **Remote Live View:** Keep a close eye on your car whenever and wherever you are. Access a real-time video stream directly through your smartphone or PC. Find your car's parking location by checking its surroundings on live feed.
- **Remote Video Playback:** Watch your dash cam's footage from the comfort of your home or office, without needing to remove the dash cam's SD card or be close to the device. Browse your footage conveniently with date and file type filtering functions.
- **Remote Downloads:** Download your dash cam's footage to your smartphone or PC through the IROAD Cloud service platform, wherever you are. Videos backed up on the Cloud and footage on the dash cam's SD card can both be downloaded remotely.

- **Cloud Storage:** The IROAD Cloud is an extended storage capacity for your dash camera. Store all crucial event footage in the Cloud without any worries of overwriting. Any other type of dash cam footage can also be manually saved to the Cloud.
- **Auto Event Upload:** Videos of events such as impact and motion are automatically uploaded to the Cloud, ensuring the protection of these videos. These videos are only stored for a limited time before being deleted, but users can choose to permanently backup to the IROAD Cloud or download them.
- **GPS Tracking:** Track the registered dash cam's GPS records at a glance. Users can map the driving routes of a selected vehicle, as well as the number of events and the distances covered during a trip. This information can be accessed directly from the app.
- **Geofencing:** Set up virtual boundaries for your vehicle. Receive notifications when your vehicle enters or exits a predefined area.
- **Driving Reports:** The IROAD Cloud generated statistics provide important information such as average driving time, average distance, and number of events recorded, within a selected period of time. This information can also be downloaded in report form for ease of keeping records.
- **Settings Change:** Access and change dash cam's settings from anywhere at any time.

Maintenance

- **MicroSD Card Management:** Regularly format the microSD card (at least once a month) to prevent data corruption and ensure optimal recording performance. Use the IROAD PC Viewer or mobile app for formatting.
- **Firmware Updates:** Check the IROAD website or app periodically for firmware updates. Keeping your dash cam's firmware up-to-date ensures you have the latest features and bug fixes.
- **Lens Cleaning:** Gently clean the front and rear camera lenses with a soft, dry microfiber cloth to ensure clear video quality. Avoid using harsh chemicals.
- **Cable Inspection:** Periodically check all connected cables for any signs of wear or damage. Replace any damaged cables immediately to prevent malfunctions.

Troubleshooting

- **Dash Cam Not Powering On:** Check the power cable connection to the fuse box and ensure the vehicle's battery has sufficient charge. Verify the fuse is not blown.
- **Recording Issues:** Ensure the microSD card is inserted correctly and has sufficient free space. Format the microSD card if issues persist. Check for firmware updates.
- **Wi-Fi Connection Problems:** Ensure the Wi-Fi dongle is properly inserted. Verify your mobile hotspot or Wi-Fi network is active and has internet access. Restart both the dash cam and your smartphone.
- **GPS Not Working:** Ensure the external GPS antenna is connected and positioned correctly, with a clear view of the sky.
- **Poor Video Quality:** Clean the camera lenses. Ensure the protective film has been removed from the lenses. Check the video resolution settings in the app.
- **Overheating:** Ensure the dash cam is not exposed to direct sunlight for prolonged periods when parked. The high-temperature protection feature will automatically shut down the device if it overheats.

Specifications

Feature	Detail
Brand	IROAD
Manufacturer	IROAD GLOBAL, South Korea
Product Dimensions	5.5 x 7 x 5 cm; 350 g
Flash Memory Type	microSD
Included Memory Card Size	32 GB
Compatible Devices	Laptop, Smartphone, Tablet
Special Features	App Control
Video Capture Resolution	1440p (QHD)
Batteries Included	Yes
Mounting Type	Adhesive Mount
Actual Viewing Angle	155 Degrees
Compatible Media Type	MP4
Vehicle Service Type	Car

Warranty and Support

Your IROAD X11 Dash Camera comes with a 2-year warranty. For any technical assistance, troubleshooting, or warranty claims, please contact IROAD customer support.

- **Returns Policy:** Refer to your purchase platform's returns policy for details on product returns.
- **Secure Transaction:** Your purchase is protected by secure transaction protocols.

For further assistance, visit the official IROAD website or contact their customer service.