GKU D500

GKU D500 4K Dual Dash Cam User Manual

Comprehensive guide for setup, operation, and maintenance of your GKU D500 4K Front and Rear Dash Cam.

1. Introduction

The GKU D500 4K Dual Dash Cam is designed to provide comprehensive video surveillance for your vehicle, capturing both front and rear views in high resolution. Equipped with advanced features such as built-in Wi-Fi, GPS, G-sensor, loop recording, and 24-hour parking monitoring, it ensures reliable evidence recording for your peace of mind on the road.



Figure 1.1: GKU D500 4K Dual Dash Cam and its components.

2. Package Contents

Please verify that all items listed below are included in your package:

- D500 4K Dash Cam (Front Unit)
- Rear Camera
- Free 32GB SD Card
- Car Charger
- User Manual

3. Product Overview

Familiarize yourself with the main components and ports of the GKU D500 dash cam.



Figure 3.1: Front Dash Cam with key features labeled.

USB-C Port: For power and data transmission.

Built-in GPS Tracker: Records driving route, speed, and location.

2.4" IPS Display: For viewing live footage and settings.

6-Glass Lens: High-quality optical lens for clear imaging.

4. Setup and Installation

4.1 Initial Setup and SD Card Formatting

Before first use, it is crucial to format the included 32GB SD card within the dash cam to ensure optimal performance and compatibility.

1. Insert the provided 32GB SD card into the SD card slot on the dash cam.
2. Connect the dash cam to power using the car charger. The device will power on automatically.
3. Once powered on, navigate to the settings menu on the dash cam's display.
4. Locate the "Format" option and confirm to format the SD card. This will erase all data on the card and prepare it for recording.

[redacted]

Video 4.1.1: Overview of the D500 Dash Cam, including initial setup and memory card formatting.

4.2 Mounting the Dash Cam

The GKU D500 comes with a suction mount for easy installation on your windshield.

1. Clean the area on your windshield where you intend to mount the dash cam. Ensure it does not obstruct your view.
2. Attach the suction mount to the dash cam.
3. Press the suction cup firmly against the cleaned windshield surface and flip the lever to secure it.
4. Adjust the angle of the dash cam to ensure a clear view of the road ahead.

4.3 Connecting the Rear Camera

The rear camera provides additional coverage for the back of your vehicle.

1. Connect the rear camera cable to the designated port on the main dash cam unit.
2. Route the rear camera cable discreetly along the vehicle's interior trim to the rear of the car.
3. Mount the rear camera on the rear windshield, ensuring a clear view.
4. For 24-hour parking monitoring, the rear camera requires a hardwire kit (not included) to connect to your car's battery.

[redacted]

Video 4.3.1: Instructions on how to connect the rear camera to your car battery via hardwiring for continuous power.



Figure 4.3.1: Dual-channel recording capability of the GKU D500 dash cam.

5. Operating Instructions

5.1 Power On/Off and Recording

The dash cam will automatically power on and begin recording when connected to your car's power supply and the engine starts.

It will power off automatically when the engine is turned off.

- To manually power on/off, press and hold the Power Button located on the dash cam.
- A red indicator light typically signifies active recording.

5.2 Wi-Fi Connection and Smartphone App

Connect your dash cam to your smartphone via Wi-Fi to view live footage, playback recordings, and manage settings using the dedicated app.

1. Download the "YUTUCAM" app from your smartphone's app store (iOS/Android).
2. On the dash cam, navigate to the Wi-Fi settings and turn Wi-Fi ON. The screen will display the Wi-Fi SSID (e.g., GKU_XXXXXX) and password (e.g., 12345678).
3. On your smartphone, go to Wi-Fi settings and connect to the dash cam's Wi-Fi network using the provided SSID and password.
4. Open the "YUTUCAM" app. You should now be able to see live footage, access recorded videos, and adjust settings.



Video 5.2.1: Demonstrates the Wi-Fi connection process for the GKU D500 Dash Cam and app usage.



Figure 5.2.1: Connecting the dash cam with the Wi-Fi app for easy control and access.

5.3 GPS Functionality

The built-in GPS module records your driving route, real-time speed, and location data. This information can be viewed through the smartphone app or a dedicated GPS player on your computer (Windows/Mac).



Figure 5.3.1: GPS tracking feature showing route and speed on a map.



Figure 5.3.2: Reviewing recorded videos with GPS data using the GPS Player.

5.4 Loop Recording and G-Sensor

The dash cam continuously records video in segments. When the memory card is full, the oldest unlocked footage is automatically overwritten by new recordings (Loop Recording). The built-in G-sensor detects sudden impacts or collisions and automatically locks the current video file to prevent it from being overwritten, ensuring critical evidence is preserved.



Figure 5.4.1: Visual representation of G-sensor, parking monitoring, and loop recording features.

5.5 24-Hour Parking Monitor

With the optional Type-C hardwire kit (not included), the dash cam can monitor your vehicle continuously for 24 hours even when parked. It utilizes a time-lapse function to record efficiently and the G-sensor to detect impacts, automatically triggering emergency recording.



Figure 5.5.1: Loop recording and G-sensor in action, securing critical video evidence.

5.6 Enhanced Night Vision

The GKU D500 features an F1.8 large aperture, 6-layer optical lens, and HDR&WDR technology to capture clear and detailed footage even in low-light conditions, enhancing visibility during nighttime driving.

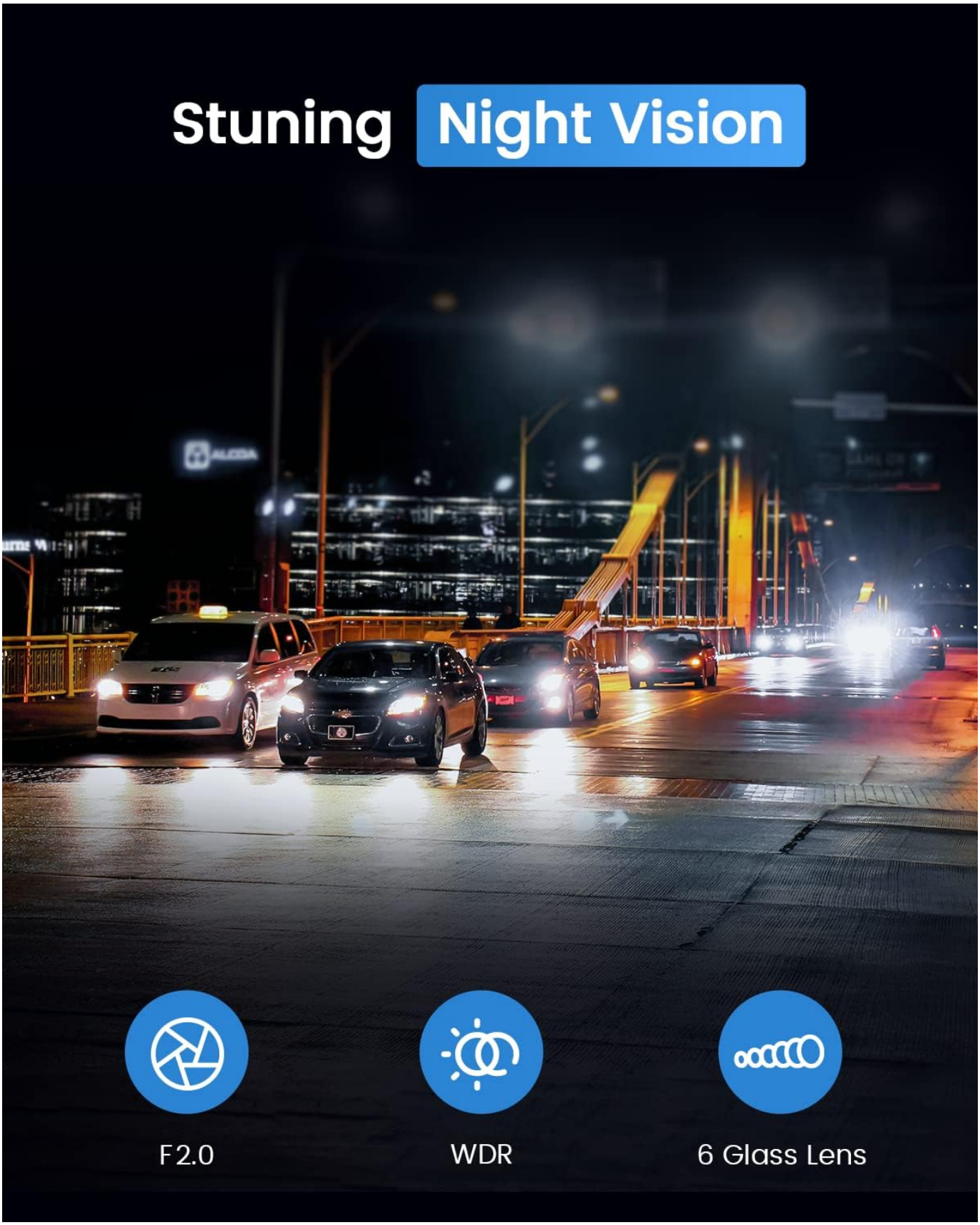


Figure 5.6.1: Key technologies contributing to the dash cam's stunning night vision.

6. Specifications

Feature	Description
Model Name	D500

Video Resolution	4K UHD (3840*2160P) Front + FHD (2560*1440P) Rear Simultaneously
Field of View	170° (Front), 140° (Rear)
Aperture	F1.8
Lens	6-layer Glass Lens
Connectivity	Built-in Wi-Fi, Built-in GPS
Special Features	Loop Recording, G-Sensor, Wi-Fi APP Control, 24H Parking Monitor (requires hardwire kit)
Storage	Supports up to 512GB Micro SD card (32GB included)
Dimensions	0.79 x 2.76 x 1.18 inches
Weight	10.6 ounces
Mounting Type	Suction Mount

7. Maintenance

- **SD Card Maintenance:** Regularly format the SD card (at least once a month) to prevent data corruption and ensure smooth recording. Replace the SD card if it shows signs of degradation or errors.
- **Lens Cleaning:** Keep the camera lenses clean using a soft, lint-free cloth. Avoid abrasive materials that could scratch the lens.
- **Firmware Updates:** Check the official GKU website periodically for firmware updates. Keeping the firmware updated can improve performance and add new features.
- **Temperature:** Avoid exposing the dash cam to extreme temperatures for prolonged periods. While designed for vehicle environments, extreme heat or cold can affect its lifespan.

8. Troubleshooting

Problem	Possible Cause / Solution
Dash cam does not power on.	◦ Check if the car charger is properly connected to both the dash cam and the car's power outlet. ◦ Ensure the car's power outlet is functioning. ◦ Try a different car charger if available.
Recording stops or freezes.	◦ Format the SD card regularly. ◦ Ensure the SD card is a high-speed (Class 10 or U3) and genuine card. ◦ Replace the SD card if it is old or corrupted.
Wi-Fi connection issues.	◦ Ensure Wi-Fi is enabled on the dash cam and your smartphone. ◦ Verify the correct Wi-Fi password is entered. ◦ Move closer to the dash cam for a stronger signal. ◦ Restart both the dash cam and your smartphone.

Rear camera not displaying.	◦ Check the connection of the rear camera cable to the main unit. ◦ Ensure the cable is not damaged.
GPS not tracking location/speed.	◦ Ensure the dash cam has a clear view of the sky (not obstructed by metallic tint or other objects). ◦ Allow a few minutes for the GPS signal to acquire after powering on.

9. Warranty and Support

GKU is committed to customer satisfaction. Your GKU D500 Dash Cam is backed by a full **1-YEAR WARRANTY** and a 100% satisfaction guarantee.
For any questions, concerns, or technical assistance, please contact GKU customer service. Our 7*24 hours technical support team is available to provide the support you need.

Email Support: Refer to the contact information provided in your product packaging or on the official GKU website.

Online Resources: Visit the GKU official website for FAQs, driver downloads, and additional support materials.

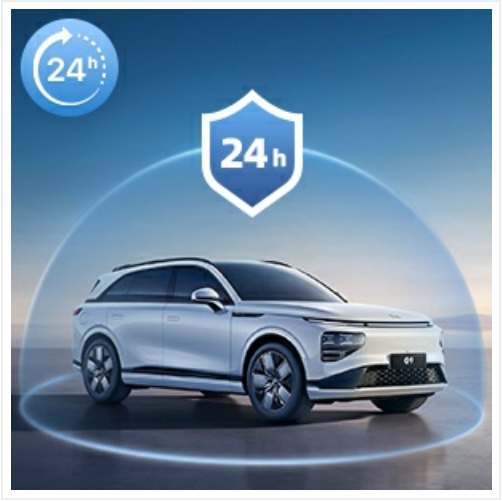


Figure 9.1: GKU's professional and responsive customer service team.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question