

## AZDome BN03

# AZDome BN03 QuadHD Wifi GPS Dashcam User Manual

Model: BN03

## 1. INTRODUCTION

Thank you for choosing the AZDome BN03 QuadHD Wifi GPS Dashcam. This device is designed to provide reliable video recording of your journeys, enhancing safety and providing crucial evidence in case of incidents. Featuring high-resolution recording, advanced night vision, integrated GPS, and Wi-Fi connectivity, the BN03 offers a comprehensive solution for your in-car surveillance needs. Please read this manual thoroughly before operating the device to ensure proper usage and optimal performance.

## 2. PRODUCT FEATURES

- Sony Starvis Night Vision:** Records in high-quality 2K 1440p at 30fps or Full HD 1080p at 30fps, delivering excellent performance even in low-light conditions thanks to the 3.0 Megapixel Sony Starvis sensor.
- Dual-Band Wi-Fi (2.4 & 5.0 GHz):** Easily view and download footage directly to your smartphone or tablet via the AZDome app (available for iOS and Android). The Wi-Fi has a range of approximately 10 meters.
- Automatic Time Lapse Parking Mode:** Secures your vehicle when parked by recording a photo every second, which is then played back as a video. This conserves storage space on the SD card, allowing for extended recording periods.
- Optional Rear Camera Support:** Can be expanded with an optional BN03 rear camera (with IMX307 sensor) for Full HD 1080p 30fps recording of the rear view. The rear camera connects directly to the front dashcam via a 6-meter cable.
- Built-in GPS Module:** Displays speed on the recording and tracks coordinates, allowing you to review exact locations of recordings using the provided software.

## 3. PACKAGE CONTENTS

Please check the package contents upon unboxing:

- AZDome BN03 Dashcam Unit
- Car Charger

- Micro USB Cable
- Windshield Mount (with 3M adhesive pad)
- Electrostatic Stickers
- Cable Clips & Pry Tool
- User Manual

## 4. PRODUCT OVERVIEW



Figure 4.1: AZDome BN03 Dashcam with its companion mobile application interface.



Figure 4.2: Front view of the AZDome BN03 dashcam, showing the main camera lens.



Figure 4.3: Side view of the AZDome BN03 dashcam, highlighting its cylindrical design.



Figure 4.4: Exploded view illustrating the components of the dashcam's mounting bracket.



Figure 4.5: The AZDome BN03 dashcam showing the connection point for the optional rear camera.

The AZDome BN03 dashcam features a compact, cylindrical design. The main camera lens is located at one end, while the other end typically houses the power input, memory card slot, and possibly a reset button. The device attaches to your windshield via a discreet mounting bracket.

## 5. SETUP GUIDE

### 5.1 Installing the Micro SD Card

1. Ensure the dashcam is powered off.
2. Locate the Micro SD card slot on the dashcam.
3. Insert a high-speed (Class 10 or higher, U1/U3 recommended) Micro SD card into the slot until it clicks into place.
4. To remove, gently push the card in until it springs out.

### 5.2 Mounting the Dashcam

1. Clean the chosen area on your windshield thoroughly.
2. Apply the electrostatic sticker to the windshield first, then attach the 3M adhesive pad of the mount to the sticker. This allows for easier repositioning without leaving residue.
3. Attach the dashcam to the mounting bracket.
4. Adjust the camera angle to ensure a clear view of the road ahead.

## 5.3 Power Connection

1. Connect the Micro USB cable to the dashcam's power input port.
2. Plug the other end of the USB cable into the car charger, and then insert the car charger into your vehicle's 12V power outlet (cigarette lighter socket).
3. Route the power cable neatly along the windshield and dashboard using the provided cable clips to avoid obstructing your view or interfering with driving.

## 5.4 Installing the AZDome App

The AZDome app allows you to control your dashcam, view live footage, and download recordings. Search for "AZDome" in your device's app store or use the links below:

- For iOS devices: <https://apps.apple.com/nl/app/azdome/id1449342214>
- For Android devices: <https://play.google.com/store/apps/details?id=cn.com.blackview.azdome>

# 6. OPERATING THE DASHCAM

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## 6.1 Basic Recording

Once connected to power, the dashcam will automatically power on and begin recording when your vehicle starts. Recording will stop when the vehicle is turned off and power is disconnected.

## 6.2 Wi-Fi Connection and App Usage

1. Turn on the dashcam.
2. On your smartphone, go to Wi-Fi settings and connect to the AZDome dashcam's Wi-Fi network (SSID typically starts with AZDome\_BN03\_XXXX). The default password is usually 12345678 or 88888888.
3. Open the AZDome app. You should now see a live view from the dashcam.
4. From the app, you can view recorded videos, download them to your phone, change settings, and manage the SD card.

**Important Note: It is not recommended to change the default Wi-Fi name and password as this may cause connection issues.**

## 6.3 Automatic Time Lapse Parking Mode

The dashcam automatically enters Time Lapse parking mode when the vehicle is turned off and the dashcam detects no motion for a period (requires continuous power supply, e.g., via a hardwire kit, not included). In this mode, the camera captures still images at set intervals (e.g., one frame per second) and compiles them into a time-lapse video, efficiently monitoring your parked vehicle.

## 6.4 GPS Functionality

The built-in GPS module automatically records your driving speed and location data. This information is embedded in the video files and can be viewed using the dedicated PC viewer software (usually available for download from the AZDome website) or within the mobile app.

# 7. MAINTENANCE

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## 7.1 SD Card Management

- It is recommended to format the Micro SD card regularly (e.g., once a month) to maintain optimal recording performance and prevent data corruption. This can usually be done via the dashcam's settings menu or

through the AZDome app.

- Use only high-quality, reputable brand Micro SD cards designed for dashcam use (high endurance).

## 7.2 Cleaning the Device

- Wipe the dashcam lens and body with a soft, dry cloth.
- Do not use abrasive cleaners or solvents, as they may damage the device.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dashcam does not power on.	No power supply; faulty cable/charger; dead car outlet.	Check power connection; try a different USB cable/charger; test car outlet with another device.
Recording stops or freezes.	SD card error; full SD card; low-quality SD card.	Format the SD card; replace with a high-endurance SD card.
Wi-Fi connection issues.	Incorrect password; changed SSID/password; interference.	Ensure correct password; reset dashcam to factory settings if SSID/password were changed; move away from other Wi-Fi sources.
GPS not working.	No clear sky view; GPS module error.	Ensure dashcam has clear view of sky; restart device.
Poor video quality at night.	Dirty lens; extreme low light conditions.	Clean the lens; ensure no obstructions on windshield.

## 9. SPECIFICATIONS

Feature	Detail
Brand	AZDOME
Model Number	6923788073483 (AZDome BN03 2K Wifi GPS)
Video Recording Resolution	1080p, 1440p
Image Sensor	Sony Starvis (3.0 Megapixel)
Screen Size	2.4 Inch
Connectivity	USB, Dual-Band Wi-Fi (2.4 & 5.0 GHz)
GPS	Built-in GPS Module

Feature	Detail
Power Source	Battery, Car Charger
Mounting Type	Windshield Mount
Memory Slot	1 (Secure Digital Card)
Item Weight	228 g
First Available Date	24 February 2020

## 10. WARRANTY AND SUPPORT

For warranty information, please refer to the specific terms and conditions provided at the time of purchase or visit the official AZDome website. Support resources, including firmware updates and frequently asked questions, are typically available on the manufacturer's website. For technical assistance, please contact AZDome customer support through their official channels.

### Documents - AZDome – BN03



#### [AZDOME Dashcam Product Catalog: Barrel, Budget, High-End, Mirror, and 4G Series](#)

Explore the comprehensive range of AZDOME dashcams, including 4K, 2K, and 1080P models across Barrel, Budget, High-End, Mirror, and 4G series, featuring GPS, Wi-Fi, advanced sensors, and various recording capabilities for enhanced vehicle security.

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#### [\[pdf\] User Manual](#)

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