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Neideso N900-4CH

Neideso N900-4CH Dash Cam User Manual

Model: N900-4CH

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Neideso N900-4CH Dash Cam. This advanced 4-channel 4K dash camera features dual HDR sensors (IMX675 and IMX307), an AI Driver Monitoring System (DMS), built-in GPS, 5G Wi-Fi, and 24-hour parking mode with 360° motion detection radar. Please read this manual thoroughly before using the device to ensure proper functionality and safety.



Image: Overview of the Neideso N900-4CH Dash Cam's 4-channel recording capabilities, including front 4K, left/right 1080P, and rear 1080P cameras.

SETUP AND INSTALLATION

Follow these steps to properly set up your Neideso N900-4CH Dash Cam.

1. SD Card Insertion

Insert the provided 128GB SD card into the designated slot on the dash cam. Ensure the card is inserted correctly until it clicks into place. It is recommended to format the SD card within the dash cam settings before first use.

2. Mounting the Dash Cam

Securely mount the main dash cam unit to your vehicle's windshield, typically near the rearview mirror, ensuring a clear view of the road ahead. Position the left and right cameras to cover the interior or exterior as desired. Install the rear camera on the rear windshield.

Why choose N900 AI Dash Cam?



Neideso

N900

Others

	Front Resolution		IMX675	No HDR
	AI DMS			
	GPS			
	Voice Control			
	APP Control	5G	5G	2.4G/No
	Rear Cam FHD HDR		IMX307	

Image: The main unit of the Neideso N900-4CH Dash Cam, showing its compact design and camera lenses.

3. Power Connection (Hardwire Kit)

For 24-hour parking monitoring and continuous power, connect the included Type-C Hardwire Kit. This kit provides low voltage protection and enables the 360° motion detection radar for parking surveillance. Consult a professional for hardwire installation if you are unfamiliar with vehicle electrical systems.



360 Degree Detection

Radar Sensor Recording reduces a lot of ineffective recordings. It saves a lot of power compared to the mode that keeps recording after the engine is turned off.

Image: The 360-degree radar detection module, which is part of the hardwire kit for enhanced parking surveillance.

4. GPS Module

The built-in GPS module automatically tracks your vehicle's location, speed, and routes. Ensure the dash cam has a clear view of the sky for optimal GPS signal reception.

5. 5G Wi-Fi and App Control

Download the dedicated Neideso app on your smartphone. Turn on the dash cam's Wi-Fi (via voice command or menu) and connect your phone to the dash cam's 5G Wi-Fi network. This allows for live view, video playback, downloading recorded footage, and adjusting settings.

OPERATING INSTRUCTIONS

1. Basic Recording

Once powered on, the dash cam will automatically begin recording. The front camera records in 4K (3584x2688P) using the IMX675 sensor, while the left, right, and rear cameras record in 1080P. All channels feature HDR for improved image quality in varying light conditions.

IMX675 Advanced 4K HDR

Featuring advanced HDR and the latest **IMX675** sensor, the front camera captures ultra-clear footage in 3584x2688P/4K or 3072x2304P/3K resolution, delivering sharp and detailed images in any lighting or weather condition.

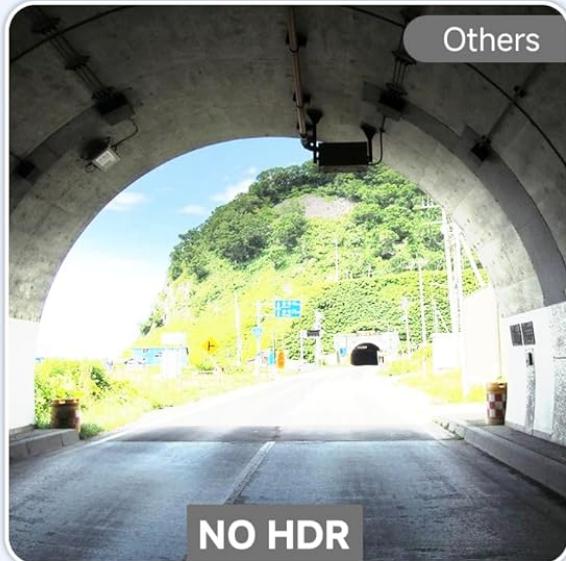


Image: Demonstrates the advanced 4K HDR capabilities of the front camera with the IMX675 sensor, showing clear footage in various lighting conditions including daytime, nighttime, and tunnels.

2. Driver Monitoring System (DMS)

The N900 features an AI-powered Driver Monitoring System to enhance safety. The DMS monitors driver behavior and provides audible warnings for:

- Distracted driving detection
- Yawning detection
- Driver absence detection
- Phone call detection
- Smoking detection

Note: The DMS requires the camera to face the driver and the vehicle's hourly speed to reach a set value for activation. Individual detection features can be enabled or disabled.

Driver Fatigue Monitoring System (DMS)

Our system provides audible warnings to ensure you never miss a critical alert, helping to reduce accident risks and keep you safe throughout your journey.



Image: Visual representation of the Driver Monitoring System (DMS) detecting driver behavior, with icons indicating various

alerts like phone calls, yawning, and distraction.

3. 24-Hour Parking Mode with Radar Detection

When the vehicle is parked and the engine is off, the dash cam automatically switches to parking mode. The 360° radar detection system monitors the area around your car. If motion is detected within 3-4 meters, the camera will quickly activate and record a 1-minute video, providing continuous surveillance.



Image: Illustration of the 24-hour parking monitor system using radar detection to identify and record events around a parked vehicle.

4. Super Night Vision

The dash cam is equipped with the IMX675 (front) and IMX307 (rear) sensors, dual HDR, and 8 LED infrared

lights for the left and right cameras. This combination ensures clear recording in low-light conditions, preventing overexposure and capturing details like license plates and pedestrians at night.

Super Night Vision

Provides clear images in low-light conditions to improve safety



HDR IMX675



Rear Cam IMX307



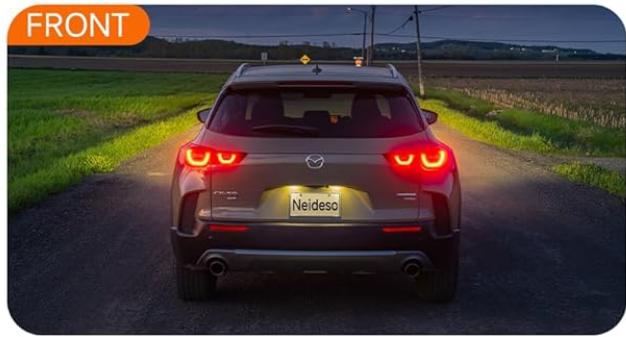
8 IR Lamp



6G/F1.6

Neideso

FRONT



LEFT/RIGHT



REAR



Others



Image: Comparison demonstrating the superior night vision capabilities of the Neideso dash cam (left) versus other cameras (right) in various scenarios (front, left/right, rear).

5. Voice Control

Operate your dash cam hands-free using simple voice commands. Available commands include:

- "Take photo"
- "Turn on/off screen"
- "Turn on audio"

- "Turn on WiFi"
- "Video start"

Voice control

Improves safety and convenience for drivers using dash cams by providing easy operation with simple commands.



Image: An in-car view illustrating various voice commands that can be used to control the dash cam, such as "Take photo" and "Turn on WiFi".

MAINTENANCE

1. SD Card Formatting

Regularly format the SD card (at least once a month) through the dash cam's settings menu to ensure optimal performance and prevent data corruption. Back up any important footage before formatting.

2. Cleaning the Lenses

Gently clean the camera lenses with a soft, lint-free cloth to remove dust or smudges. Avoid using abrasive cleaners that could scratch the lens surface.

TROUBLESHOOTING

- Dash Cam not powering on:** Ensure the power cable is securely connected and the vehicle's power outlet is functional. Check the hardwire kit connection if used.
- Recording issues:** Format the SD card. Ensure the SD card is properly inserted and not full. Check for any error messages on the screen.
- Poor video quality:** Clean the camera lenses. Ensure the protective film has been removed from the lenses. Check settings for resolution.
- GPS not working:** Ensure the dash cam has a clear view of the sky. Allow a few minutes for GPS signal acquisition.
- Wi-Fi connection problems:** Ensure Wi-Fi is enabled on the dash cam. Restart both the dash cam and your smartphone. Check the Wi-Fi range (6-7 meters).
- DMS alerts not functioning:** Verify the camera is facing the driver. Ensure the vehicle speed meets the activation threshold. Check DMS settings in the menu.
- Parking mode not activating:** Ensure the hardwire kit is correctly installed and providing continuous power. Check parking mode settings.

SPECIFICATIONS

Brand	Neideso
Model Name	N900
Connectivity Technology	Wi-Fi
Special Features	360 Degree, AI, Built-In GPS, Motion Sensing, Night Vision
Video Capture Resolution	4K (3584 x 2688)
Field Of View	360 Degrees
Auto Part Position	Front Inside, Rear Inside
Color	Black
Manufacturer	Neideso
Vehicle Service Type	Car, Van

WHAT'S IN THE BOX

- 128GB SD Card
- Hardwire Kit
- WiFi Adapter
- Neideso N900-4CH Dash Cam Unit (Front, Left, Right, Rear Cameras)

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Neideso website or contact Neideso customer service directly. Keep your purchase receipt for warranty claims.

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