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› AKEEYO NV-X Super Night Vision Rear View Mirror Camera User Manual

AKEEYO NV-X

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Model: NV-X

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AKEEYO NV-X Super Night Vision Rear View Mirror Camera. Please read this manual thoroughly before using the device to ensure proper functionality and safety.



Image: The AKEEYO NV-X Mirror Dash Cam, showcasing the main mirror unit, the waterproof rear camera, the front camera with adjustable angle, the GPS antenna, and the included 64GB memory card. This image provides a visual overview of the primary components included with the product.

PRODUCT FEATURES

- **Enhanced Night Vision:** F1.0 aperture lens, AI sensing system, and upgraded infrared LED, WDR, HDR for superior low-light performance.
- **Blind Spot Detection (BSD):** Provides audible warnings and visual alerts for objects in blind spots.
- **Adjustable Dual Cameras:** Front camera with 360° swivel bracket and waterproof rear camera for versatile installation and viewing angles.
- **12-inch IPS Touchscreen:** Large display with touch controls and adjustable brightness levels.
- **High-Precision GPS:** Logs driving location, speed, and time for playback on PC.
- **Loop Recording & G-Sensor:** Automatic overwriting of old footage and emergency recording upon impact.
- **Reversing Aid:** Displays parking guidelines and automatically adjusts rear view angle when reversing.

- **Privacy Protection:** No WiFi functionality to ensure data security.
- **Super Capacitor:** Designed to endure extreme temperatures (-10°F to 156°F) and mitigate risks.



Image: A visual representation highlighting key features of the AKEEYO NV-X, including enhanced night vision, Blind Spot Detection (BSD), adjustable dual cameras, high-precision GPS, and loop recording capabilities.

PACKAGE CONTENTS

Please verify that all items are included in your package:

- 1x 12" Mirror Screen (Main Unit)
- 1x SUPER NIGHT VISION Front Camera (Angle Adjustable)
- 1x Waterproof Rear Camera
- 1x 9.84ft GPS Antenna
- 1x 64GB Memory Card
- 1x 3.28ft Car Charger
- 1x 23ft Rear Camera Cable
- 1x Car Wire Trim Tool
- 4x Rubber Mounting Straps
- 1x Mirror Screen Bracket
- 1x Rear Camera Bracket
- 1x User Manual

TWO MOUNTING OPTIONS



Image: An organized display of all components included in the AKEEYO NV-X package, such as the main mirror unit, front and rear cameras, GPS antenna, memory card, various cables, mounting straps, and tools.

SETUP AND INSTALLATION

The AKEEYO NV-X offers two primary mounting options: Rearview Mirror Mount or Center Console Mount. Choose the option that best suits your vehicle and preference.

1. Rearview Mirror Mount

1. Secure the main mirror unit to your existing rearview mirror using the provided rubber mounting straps. Ensure it is firmly attached and does not obstruct your view.
2. Connect the front camera cable to the main unit. Adjust the front camera's 360° swivel bracket to achieve the desired recording angle.
3. Install the rear camera. It can be mounted either inside the vehicle (e.g., on the rear window) or outside (e.g., near the license plate) due to its waterproof design. Use the rear camera bracket for secure attachment.
4. Route the rear camera cable from the rear of the vehicle to the main unit, ensuring it is neatly tucked away using the car wire trim tool.
5. Connect the GPS antenna to the main unit and place it in a location with clear sky view (e.g., on the dashboard).
6. Insert the 64GB memory card into the designated slot on the main unit.
7. Connect the car charger to the main unit and plug it into your vehicle's 12V power outlet.

2. Center Console Mount

1. Attach the mirror screen bracket to the main unit.
2. Place the main unit on your vehicle's dashboard using the bracket, ensuring it is stable and does not interfere with driving controls or airbags.
3. Follow steps 2-7 from the Rearview Mirror Mount instructions for connecting cameras, GPS, memory card, and power.



Image: An illustration demonstrating the two available mounting options for the AKEEYO NV-X: directly over the rearview mirror using straps, or on the dashboard via a dedicated bracket.



Image: A diagram illustrating the routing of cables for both front and rear cameras, showing options for internal and external rear camera installation for the AKEEYO NV-X system.

OPERATING INSTRUCTIONS

1. Power On/Off

The device will automatically power on when your vehicle starts and power off when the engine is turned off (if connected to a switched power source). You can also manually power it on/off by pressing and holding the power button.

2. Basic Recording

Once powered on and a memory card is inserted, the device will automatically begin loop recording. Video segments are recorded in predefined lengths (e.g., 1, 3, or 5 minutes) and saved to the memory card. When the card is full, the oldest unlocked files will be overwritten.

3. Touchscreen Operation

The 12-inch IPS touchscreen allows for intuitive control:

- **Brightness Adjustment:** Tap the screen and use the on-screen controls to select high, medium, or low brightness

levels.

- **Camera Angle Adjustment:** Swipe up or down on the screen to adjust the viewing angle of the active camera.
- **Split Screen Display:** The device supports single-channel (front or rear) or dual-channel (split screen) display. Tap the screen to access options for switching between views.
- **HUD Mode:** Activate HUD (Head-Up Display) mode to show essential driving information like speed, date, direction, and time on the screen.
- **Screen Protector Mode:** Turn off the screen while recording continues in the background to minimize distraction. Tap the screen to reactivate.

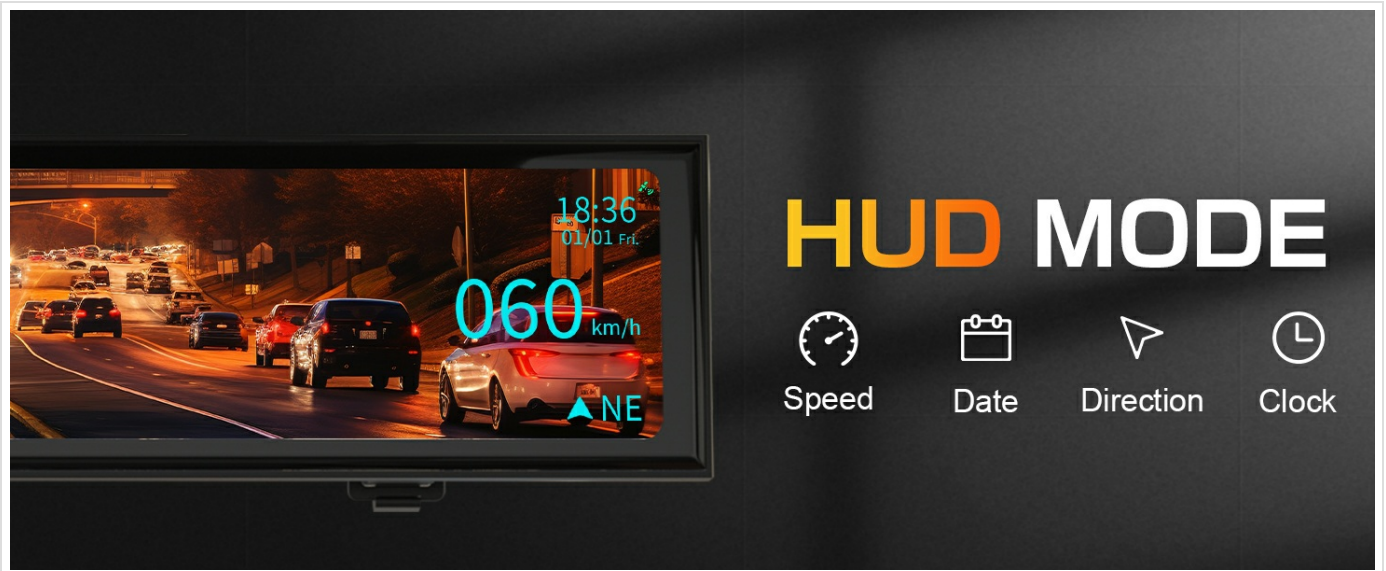


Image: An illustration showing the split-screen functionality of the AKEEYO NV-X, allowing simultaneous display of front and rear camera views, or individual views as preferred by the driver.

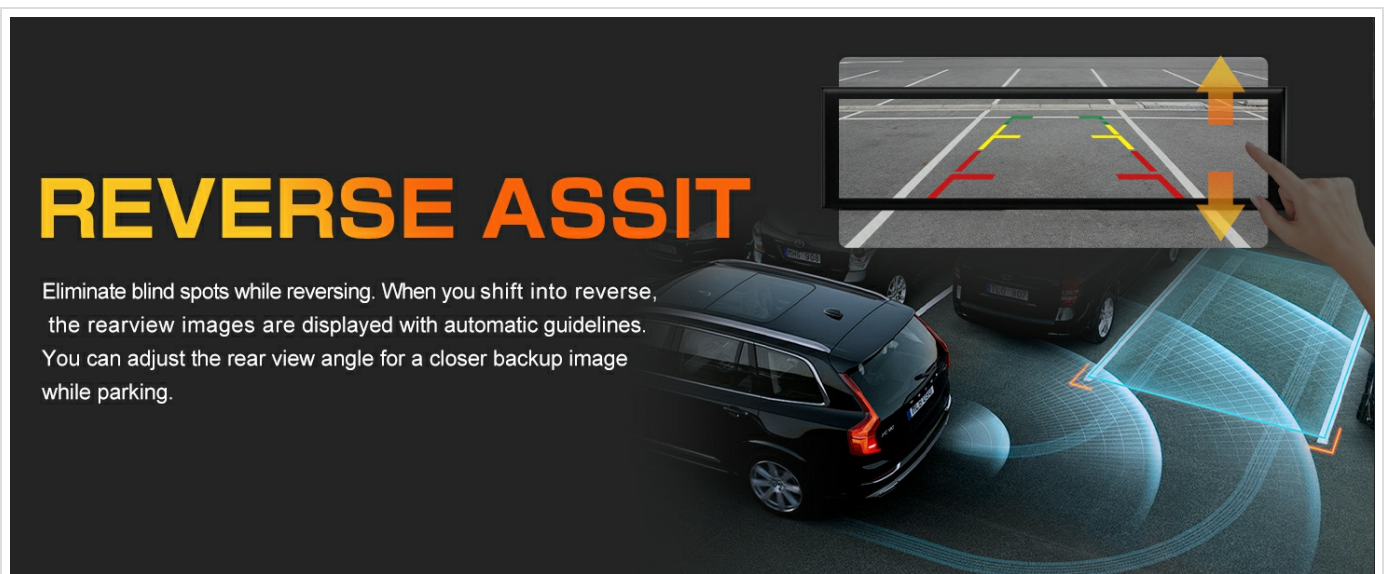


Image: The AKEEYO NV-X display in HUD (Head-Up Display) mode, showing key driving information such as current speed, date, compass direction, and time, overlaid on the live camera feed.

G-SENSOR

The mirror dash cam automatically records a 30-second video and immediately locks it during emergencies, providing peace of mind when you leave your vehicle.

Hardwire kit needed (ASIN: B0CH9Y23TN)



Image: The AKEEYO NV-X in screen protector mode, where the display is turned off to reduce distraction while the device continues to record in the background.

4. Advanced Features

- **Emergency Lock (G-Sensor):** The built-in G-sensor detects sudden impacts or collisions. When triggered, it automatically locks the current video segment to prevent it from being overwritten by loop recording. This ensures critical footage is preserved.
- **Reversing Aid:** When your vehicle is shifted into reverse, the rearview image will automatically display parking guidelines on the screen. The system also lowers the rearview angle for a closer perspective, assisting with parking maneuvers.
- **GPS Tracking:** The GPS module synchronizes recorded videos with location, speed, and time data. You can replay your driving route information on a PC using a compatible GPS viewer (e.g., DV PLAYER).
- **Blind Spot Detection (BSD):** This feature provides audible warnings and red flashing borders on the screen when objects are detected in your left or right blind spots, enhancing safety during lane changes, especially in low-visibility conditions.
- **Parking Monitor:** For continuous 24-hour parking monitoring, an additional power cable (hardwire kit, ASIN: B0CH9Y23TN) is required and sold separately. This feature allows the dash cam to record events even when the vehicle is parked.



Image: An illustration depicting the G-Sensor functionality of the AKEEYO NV-X, which automatically locks video footage during an impact to secure important event recordings.

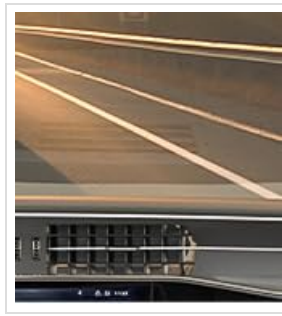


Image: A visual representation of the loop recording feature on the AKEEYO NV-X, indicating that the device continuously records and overwrites older files when the memory card is full.



Image: An illustration highlighting the 24-hour parking monitor feature of the AKEEYO NV-X, which provides continuous surveillance when the vehicle is parked (requires separate hardwire kit).



Image: A depiction of the GPS tracking functionality of the AKEEYO NV-X, showing how recorded video can be synchronized with map data, speed, and time for detailed route analysis on a computer.

MAINTENANCE

- **Memory Card Formatting:** It is recommended to format the memory card regularly (e.g., once a month) to ensure optimal performance and prevent data corruption. This can usually be done through the device's settings menu.
- **Lens Cleaning:** Keep the camera lenses clean to ensure clear video quality. Use a soft, lint-free cloth and a lens cleaning solution if necessary. Avoid abrasive materials that could scratch the lens.
- **Firmware Updates:** Check the AKEEYO official website periodically for firmware updates. Keeping your device's firmware up-to-date can improve performance, add new features, and fix bugs.
- **Temperature Considerations:** The device is designed to operate in a wide temperature range (-10°F to 156°F) thanks to its super capacitor. However, avoid prolonged exposure to extreme direct sunlight when parked to prolong device lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	No power supply; loose connection; faulty car charger.	Check car charger connection and vehicle's 12V outlet. Ensure the car charger is working. Try a different power source if available.
Recording stops intermittently.	Memory card full; slow memory card; memory card error.	Format the memory card. Use a high-speed (Class 10 or U3) memory card. Replace the memory card if issues persist.
Video footage is blurry or unclear.	Dirty lens; protective film still on lens.	Clean the camera lenses with a soft cloth. Remove any protective film from the lenses.
GPS signal not found.	GPS antenna obstructed; antenna not connected properly.	Ensure GPS antenna has a clear view of the sky. Check the connection of the GPS antenna to the main unit.
Screen is unresponsive.	Temporary software glitch.	Restart the device by disconnecting and reconnecting power. If issue persists, perform a factory reset (refer to device settings).

SPECIFICATIONS

Feature	Detail
Model Name	NV-X
Product Dimensions	12 x 5.5 x 4.2 inches
Item Weight	3.74 pounds
Front Camera Aperture	F1.0
Video Capture Resolution	1080p
Display Technology	IPS Touchscreen
Storage Support	Up to 256GB (64GB card included)
Special Features	Super Night Vision, BSD, GPS Tracking, Loop Recording, G-Sensor, Reversing Aid, Parking Monitor (optional hardwire kit)
Power Source	Car Charger (12V)
Operating Temperature	-10°F to 156°F (Super Capacitor)

WARRANTY AND SUPPORT

AKEEYO provides an 18-Month Reliable Warranty for the NV-X dash cam. For any quality issues, returns, or exchanges, please contact AKEEYO customer service within 30 days of purchase. Our 24-hour professional customer service team is available to assist with any quality or usage-related inquiries.

Contact Information:

Email: help@akeeyo.com

What makes our products unique?

AKEEYO designs and manufactures vehicle dash cameras, focusing on groundbreaking and inventive products specifically customized to address customers' requirements and challenges that have been unaddressed.

Perfect for individuals in search of premium quality, cutting-edge technology, and an unparalleled experience.

Image: Icons representing AKEEYO's customer support, including 24-hour service, 30-day return policy, and an 18-month warranty for the product.