

NVX XC5N1

NVX XC5N1 Universal Rearview Backup Camera Solution User Manual

Model: XC5N1 | Brand: NVX

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NVX XC5N1 Universal Rearview Backup Camera Solution. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The NVX XC5N1 offers a versatile 5-in-1 design, providing multiple mounting options and advanced features to enhance your vehicle's safety and visibility when reversing.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Consult a professional installer if you are unsure about any part of the installation process.
- This device is an aid for safe driving and should not replace careful observation and judgment.

3. PACKAGE CONTENTS

The NVX XC5N1 package includes the following components:

- NVX XC5N1 Backup Camera
- Power Cable
- 19.6ft Extension Camera Cable (RCA)
- Multiple Mounting Brackets (Square, Angled, Flush, Rubber, Metal)
- Mounting Screws
- User Manual



Figure 1: NVX XC5N1 Backup Camera and included components.

4. PRODUCT FEATURES

- **Endless Mounting Options:** Includes square, angled, flush, rubber, and metal mounts to suit various vehicle types and preferences.
- **Waterproof Construction:** IP68 certified, ensuring reliable operation in all weather conditions, including full submersion.
- **Clear Image Quality:** Ultra-wide 170-degree view with 720 x 480 resolution for comprehensive rear visibility.
- **Ultra-Low Lux Night Vision:** Operates effectively in low-light conditions (0.08 Lux) for clear night vision.
- **Additional Safety Features:** Color parking lines assist in gauging distance, and a penetrating fog function improves visibility in adverse weather.

5. INSTALLATION GUIDE

5.1. Choosing a Mounting Location

The XC5N1 offers five different mounting options to integrate seamlessly with your vehicle. Consider the best location for optimal viewing angle and protection.

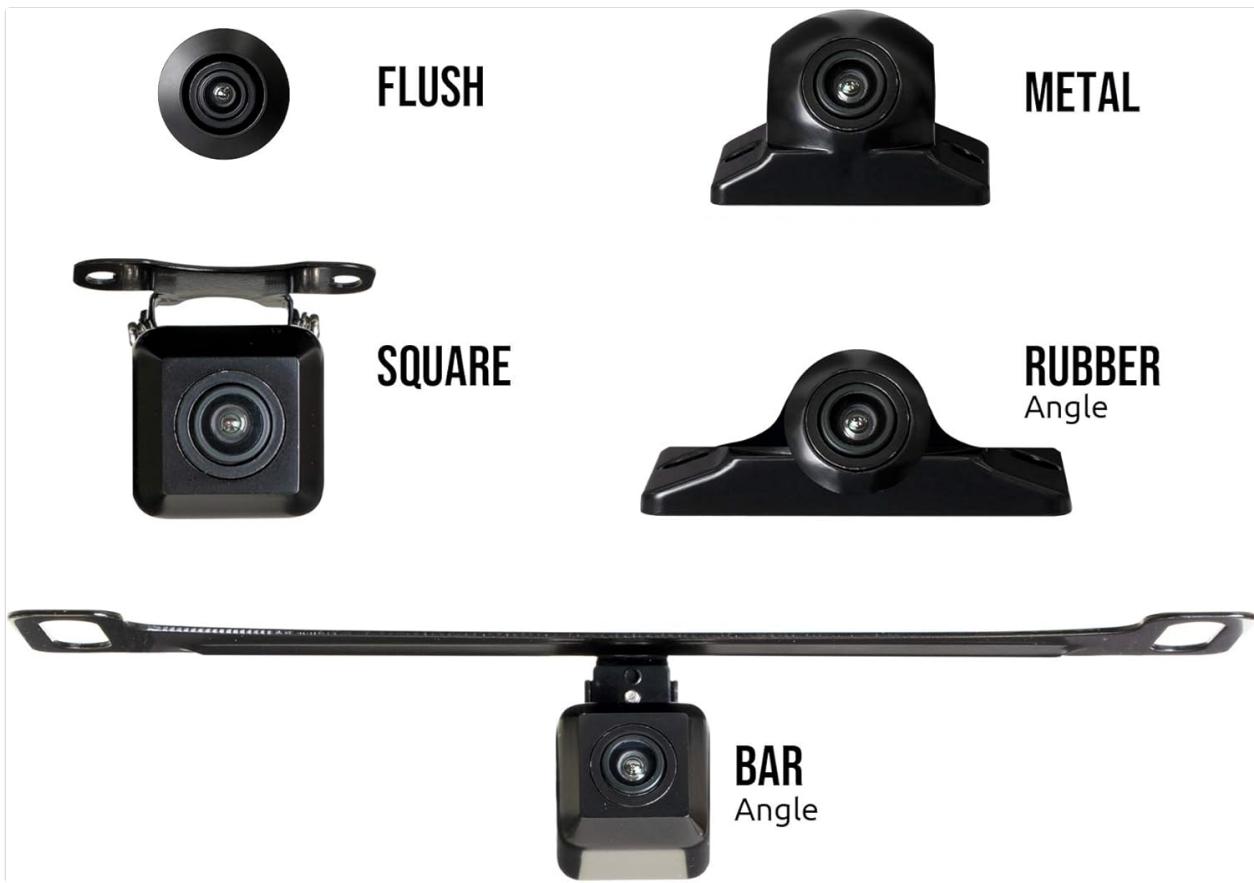


Figure 2: Different mounting options for the XC5N1 camera.

5.2. Wiring the Camera

The camera requires two main connections: video signal and power. The video signal connects to your display unit (monitor or car stereo), and the power connects to your vehicle's reverse light circuit for automatic activation.

- 1. Connect Camera to Extension Cable:** Plug the camera's video output (yellow RCA) into the provided 19.6ft extension cable.
- 2. Route Extension Cable:** Carefully route the extension cable from the camera's mounting location to your dashboard where your display unit is located. Ensure the cable is secured and away from moving parts or heat sources.
- 3. Connect Power Wires:** The camera has red (positive) and black (ground) power wires. Connect the red wire to the positive 12V line of your vehicle's reverse light. Connect the black wire to a suitable ground point on the vehicle chassis. This ensures the camera powers on automatically when the vehicle is put into reverse.
- 4. Connect Video to Display Unit:** Plug the yellow RCA end of the extension cable into the 'CAM IN' or 'VIDEO IN' port on your monitor or car stereo.
- 5. Connect Reverse Trigger Wire (if applicable):** Some car stereos require a separate 'Reverse Trigger' wire to switch to the camera input automatically. Connect the red wire from the extension cable (often labeled 'Reverse/Back Line') to the reverse trigger input of your car stereo.

Your browser does not support the video tag.

Video 1: General guide on how to install a car backup camera, including wiring to the reverse lights and routing cables.

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Video 2: Demonstrates the connection process for a backup camera, including RCA and power connections.

6. OPERATING INSTRUCTIONS

Once properly installed, the NVX XC5N1 camera will activate automatically when your vehicle is shifted into reverse. The camera feed will display on your connected monitor or car stereo screen.

- **Automatic Activation:** The camera receives power from the reverse light circuit, ensuring it turns on instantly when you engage reverse gear.
- **Parking Lines:** The camera displays colored parking lines (red, yellow, green) on the screen to help you judge distances and maneuver safely.
- **Night Vision:** The ultra-low lux capability provides clear images even in very dark environments.

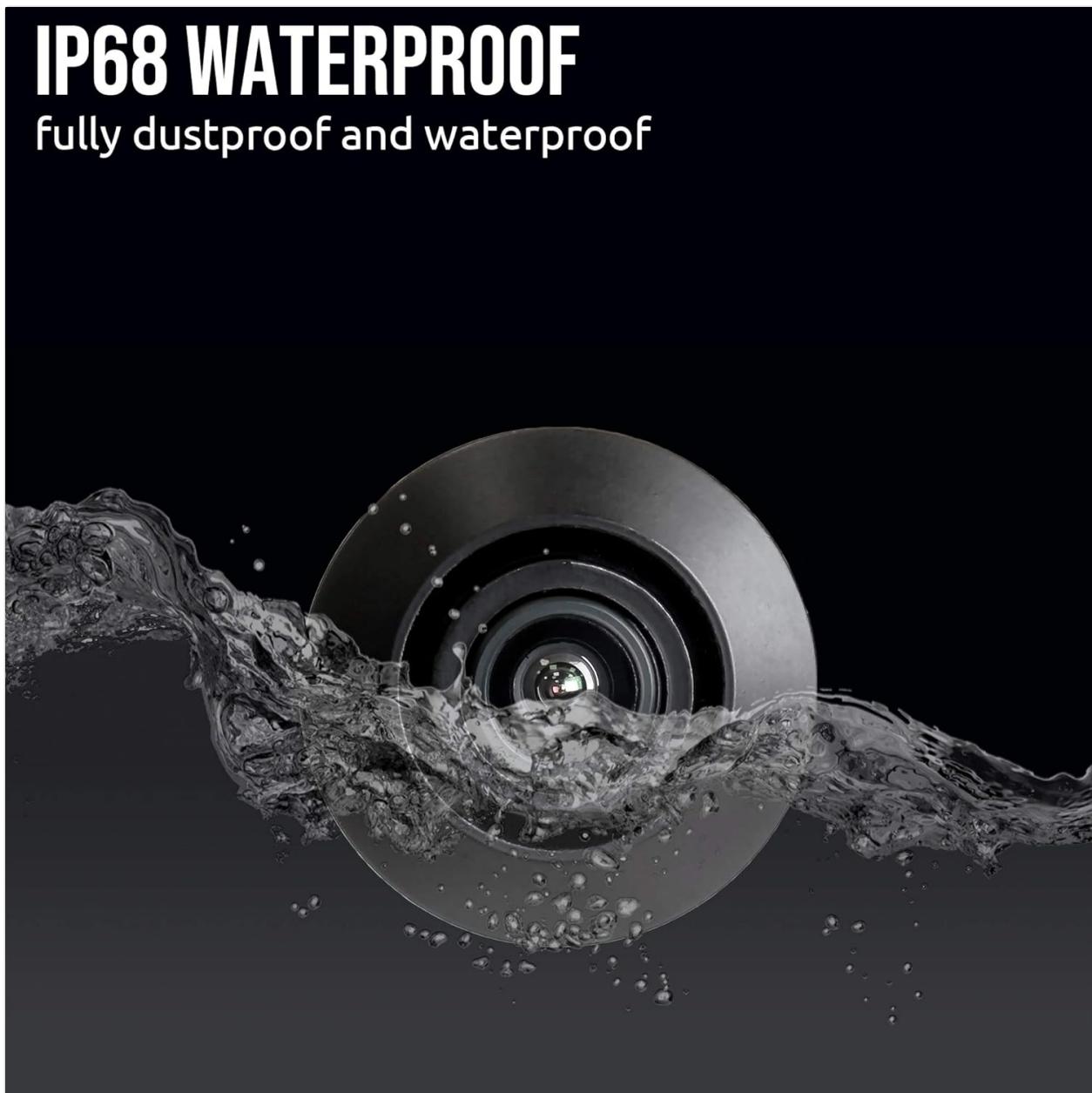


Figure 3: Example of camera footage with parking lines.

ULTRA-LOW LUX NIGHT VISION

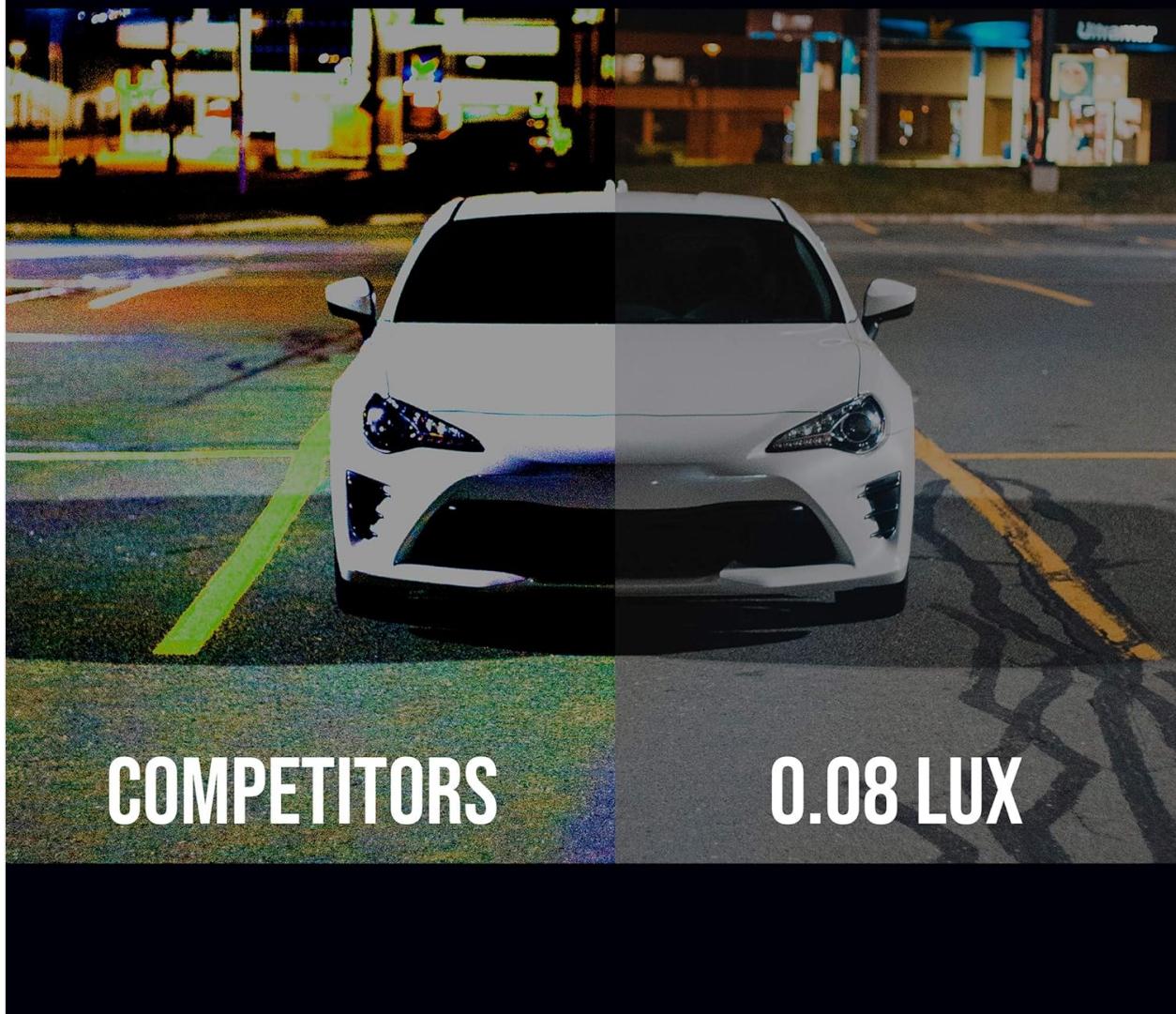


Figure 4: Night vision capability of the XC5N1 camera.

7. MAINTENANCE

The NVX XC5N1 is designed for durability and minimal maintenance. Its IP68 waterproof rating ensures protection against dust and water.

- **Cleaning:** Periodically clean the camera lens with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Inspections:** Regularly check all wiring connections for any signs of wear or damage. Ensure mounting brackets remain secure.

8. TROUBLESHOOTING

- **No Image/Black Screen:**

- Check all power connections to ensure the camera is receiving 12V when in reverse.
- Verify the video RCA cable is securely connected to both the camera and the display unit.
- Ensure your display unit is set to the correct video input channel.
- If your display unit supports AHD, ensure the camera's output format is correctly configured (refer to your

display unit's settings).

- **Image Interference/Distortion:**

- Check for loose or damaged wiring.
- Ensure the video cable is not routed too close to high-voltage wires or other sources of electrical interference.

- **Incorrect Image Orientation:**

- Some display units offer settings to flip or mirror the camera image. Adjust these settings as needed.

9. SPECIFICATIONS

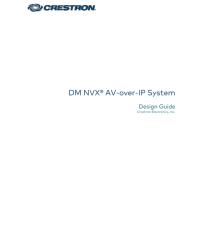
Feature	Specification
Brand	NVX
Model	XC5N1
Resolution	720 x 480
Real Angle of View	170 Degrees
Optical Sensor Technology	CMOS
Voltage	12 Volts
Installation Type	Bracket Mount, Surface Mount
Connector Type	RCA
Item Weight	1.23 pounds
Package Dimensions	10.35 x 4.45 x 1.93 inches

10. WARRANTY AND SUPPORT

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

Related Documents - XC5N1

	<u>NVX XC-Series Subwoofers User Manual and Specifications</u> User manual for NVX XC-Series subwoofers, including detailed specifications, enclosure recommendations, and warranty information for models XCW121, XCW122, XCW151, and XCW152.
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	<p><u>NVX VC-Series Subwoofers User Manual</u></p> <p>This user manual provides detailed specifications, enclosure recommendations, warranty information, and service instructions for the NVX VC-Series subwoofers, including models VCW122V3 and VCW124V3.</p>
	<p><u>NVX XDSP28 Bluetooth Digital Signal Processor User Manual</u></p> <p>Comprehensive user manual for the NVX XDSP28 Bluetooth Digital Signal Processor, covering installation, control panel functions, audio processing, troubleshooting, and warranty information.</p>
	<p><u>NVX VADM Series Owner's Manual</u></p> <p>Owner's manual for the NVX VADM series audio amplifier, detailing installation, connections, and safe operation.</p>
	<p><u>NVX V-Series Premium Class-D Amplifiers User Manual</u></p> <p>Explore the NVX V-Series Premium Class-D Amplifiers with this detailed user manual. Learn about installation, features, specifications, and warranty for models like VAD10001v2, VAD8402v2, and VAD22008v2. Optimize your car audio system with NVX's high-performance amplifiers.</p>
	<p><u>Crestron DM NVX AV-over-IP System Design Guide</u></p> <p>A comprehensive design guide for the Crestron DM NVX AV-over-IP system, detailing endpoint and network design, installation procedures, and case studies for digital video and audio distribution over Ethernet.</p>