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## DVKNM F7

# DVKNM Wireless RV Backup Camera System F7 User Manual

Model: F7 (Compatible with F7-3, F5, F5-3)

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DVKNM Wireless RV Backup Camera System. Please read this manual thoroughly before using the product to ensure proper function and safety.

## Package Contents

Verify that all items listed below are present in your package:

- 7 inch IPS Touchscreen Monitor x1
- Rear View Camera x1
- Fan-Shaped Bracket x1
- Suction Cup Bracket x1
- Camera Antenna x1
- Monitor Antenna x2
- Camera Power Cable x1
- Car Charger x1
- USB Power Cable x1
- Installation Kit

Figure 1: Package Contents

## SETUP AND INSTALLATION

The DVKNM Wireless RV Backup Camera System is designed for easy installation, supporting both Furrion pre-wired RVs and universal 12-36V vehicles.

### Camera Installation

1. **For Furrion Pre-Wired RVs:** The camera can be installed directly into the existing Furrion pre-wired mounting

location. Connect the camera's power cable to the pre-wired connector. No drilling is required.

2. **For Universal 12-36V Vehicles:** For vehicles not equipped with Furrion pre-wiring, connect the camera to a 12-36V DC power source. A 12V power cable is included for this purpose. Ensure proper polarity (+ to + and - to -).



Figure 2: Camera Wiring Options



Figure 3: System Connection Diagram

## Monitor Installation

1. Attach the fan-shaped bracket or suction cup bracket to the 7-inch IPS touchscreen monitor.
2. Mount the monitor in a suitable location within your vehicle that provides a clear view without obstructing your driving.
3. Connect the monitor to power using the provided car charger or USB power cable.
4. Attach the two monitor antennas to the designated ports on the monitor.

**Note:** For some Chevrolet or GMC vehicle owners, a 7-way vehicle power adapter may be required. This is because the taillights and running lights may not provide a stable 12-volt power supply, which can affect system performance. Contact customer support for more details or to purchase the adapter if needed.

## OPERATING INSTRUCTIONS

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### Powering On and Basic Operation

- Once powered, the monitor will automatically connect to the camera.
- The 7-inch IPS touchscreen allows for easy navigation and control of system features.
- The system provides real-time 1080P FHD views for safe parking, lane changes, and maneuvering.

# STRONG SIGNAL TRANSMISSION

Distance Up to 328ft.



Figure 4: Monitor Features Overview

## Split-Screen Display

The monitor supports split-screen display, allowing you to view feeds from up to 4 cameras simultaneously (additional cameras sold separately). Access split-screen modes through the touchscreen menu for enhanced driving safety.

## DIY ADJUSTABLE PARKING LINES

Adjust the width between the lines, as well as the vertical height and position, for precise parking guidance.



Figure 5: Touchscreen Split Screen Settings

## Loop Recording

Insert an SD card (not included) into the monitor to activate the loop recording function. This feature saves footage continuously, similar to a dash cam. Critical moments can be rewound and replayed directly on the monitor. Ensure the SD card is formatted correctly before use.

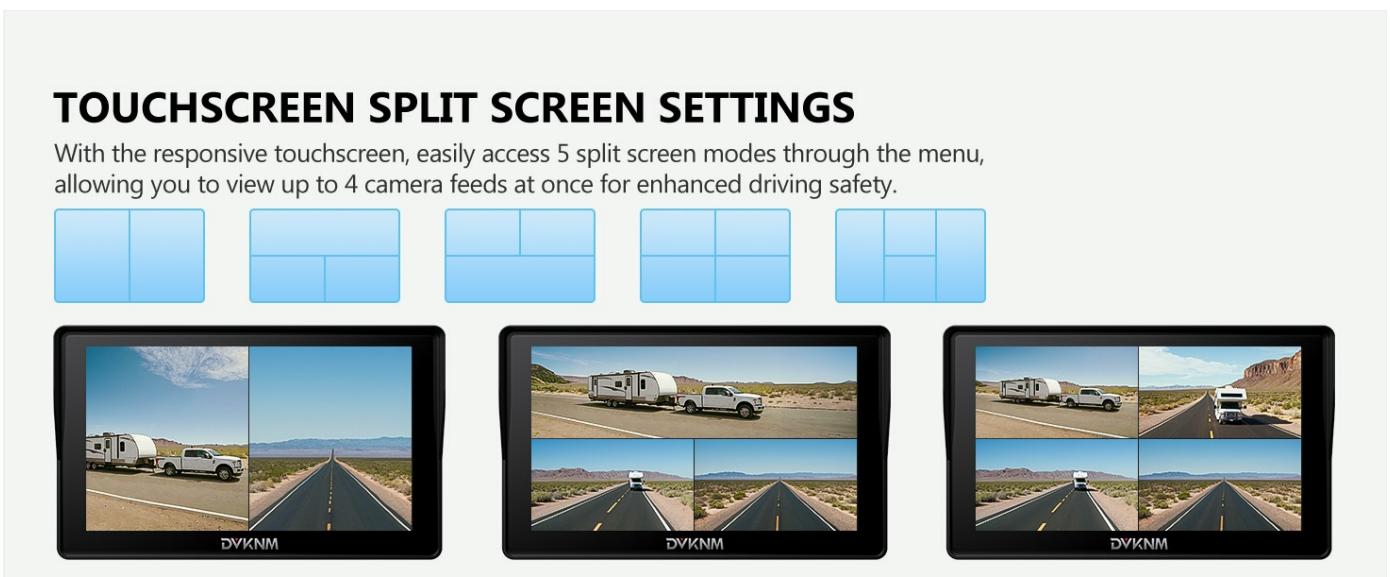


Figure 6: Loop Recording Functionality

## Adjustable Parking Lines

The system allows for DIY adjustable parking lines. You can customize the width between the lines, as well as their vertical height and position, to assist with precise parking guidance.

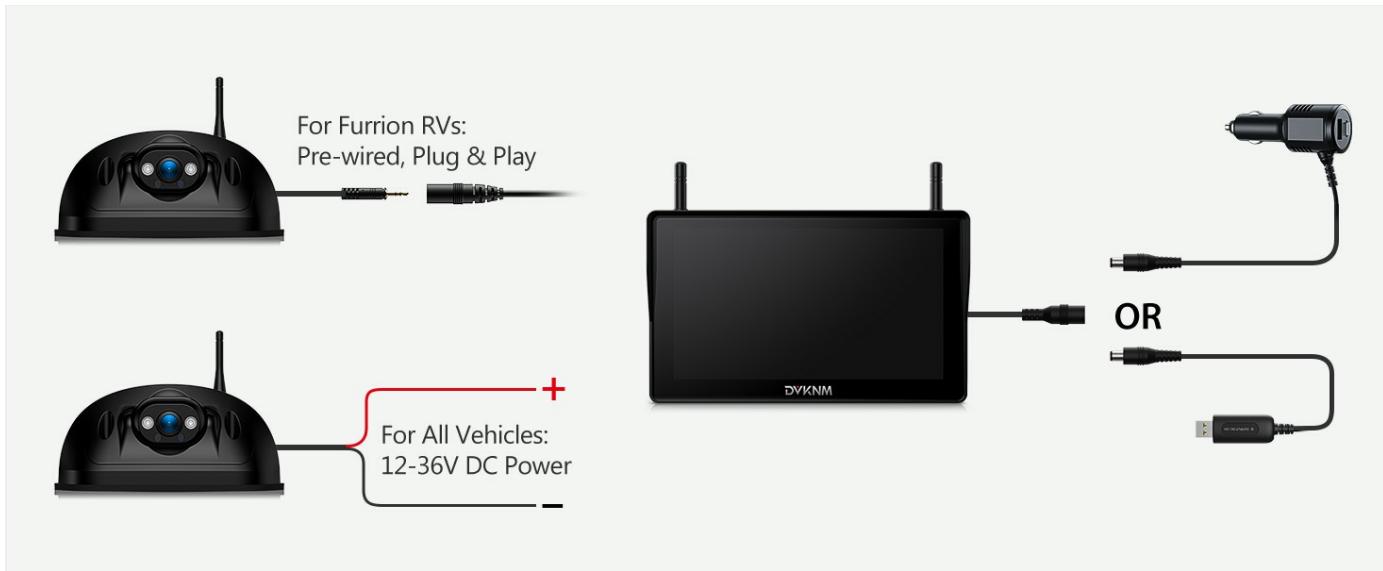


Figure 7: DIY Adjustable Parking Lines

## MAINTENANCE AND DURABILITY

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### Weather Resistance

The camera features an IP69 waterproof rating and a rust-proof aluminum housing. This design ensures reliable performance in various weather conditions, including heavy rain, snow, and exposure to road debris. The system is built to operate effectively in temperatures ranging from -22°F to 149°F.

# IP69 WATERPROOF

The backup camera features advanced sealing technology,  
no fear of rain and snow.



Figure 8: IP69 Waterproof Camera

## LOOP RECORDING

Loop Recording & Local Playback make it be the dashcam, allowing you to easily access and watch videos directly on the monitor. (SD Card not included, please contact us if needed.)



Figure 9: All-Weather Performance

## Night Vision

The camera is equipped with an upgraded 1080P CMOS image sensor and 3 infrared LEDs. This technology provides clear night vision, ensuring visibility even in total darkness or low-light conditions.



Figure 10: FHD Super Night Vision

## Cleaning

- Wipe the camera lens and monitor screen with a soft, damp cloth. Avoid abrasive cleaners.
- Ensure the camera lens is free from dirt, mud, or snow for optimal image clarity.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on monitor	<ul style="list-style-type: none"> <li>Power connection issue (monitor or camera)</li> <li>Camera not paired or signal interference</li> <li>Damaged cable or component</li> </ul>	<ul style="list-style-type: none"> <li>Check all power connections to both monitor and camera. Ensure vehicle ignition is on.</li> <li>Ensure antennas are securely attached. Try re-pairing the camera and monitor (refer to specific pairing instructions if available in the full manual).</li> <li>Inspect cables for damage. Contact customer support if components appear faulty.</li> </ul>
Unstable or flickering image	<ul style="list-style-type: none"> <li>Weak signal due to distance or obstruction</li> <li>Unstable power supply</li> <li>Interference from other wireless devices</li> </ul>	<ul style="list-style-type: none"> <li>Ensure camera and monitor antennas are unobstructed and facing each other as much as possible.</li> <li>Verify the power supply is stable (especially for Chevrolet/GMC vehicles, a 7-way adapter might be needed).</li> <li>Move other 2.4GHz wireless devices away from the system if possible.</li> </ul>
Night vision unclear	<ul style="list-style-type: none"> <li>Dirty camera lens</li> <li>Insufficient ambient light for IR sensors</li> </ul>	<ul style="list-style-type: none"> <li>Clean the camera lens thoroughly.</li> <li>Ensure no obstructions are blocking the camera's view or the IR LEDs.</li> </ul>
Loop recording not working	<ul style="list-style-type: none"> <li>No SD card inserted or card full</li> <li>Incorrectly formatted SD card</li> <li>Faulty SD card</li> </ul>	<ul style="list-style-type: none"> <li>Insert a compatible SD card. Check if the card needs formatting via the monitor settings.</li> <li>Replace the SD card if it is faulty.</li> </ul>

## SPECIFICATIONS

Feature	Detail
Brand	DVKNM
Model	F7 (Compatible with F7-3, F5, F5-3)
Screen Size	7 Inches
Display Type	IPS Touchscreen
Video Resolution	1080P FHD
Wireless Technology	2.4GHz
Signal Range	Up to 328ft (open areas)

Feature	Detail
Camera Sensor	1080P CMOS
Night Vision	3 Infrared LEDs
Waterproof Rating	IP69
Operating Voltage	12-36V (DC)
Loop Recording	Supported (with SD card, not included)
Product Dimensions (Monitor)	7"L x 1.4"W x 4.3"H
Item Weight	3.39 pounds (total system)

## WARRANTY AND CUSTOMER SUPPORT

DVKNM offers a **3-year replacement warranty** for this product. Additionally, **24-hour customer support** is available to assist with any questions or issues you may encounter.

For assistance or replacement parts, please contact DVKNM customer support through the vendor's contact information provided at the point of purchase or on the official DVKNM website.

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## Related Documents - F7

 <p>www.philips.com/welcome</p> <p>14. User manual</p> <p>15. Quick start guide</p> <p>16. Safety information</p> <p>17. Troubleshooting</p> <p>18. Specifications</p> <p>19. Warranty</p> <p>20. QR code</p>	<p><a href="#">Philips Roku TV User Manual: Setup, Features, and Operation</a></p> <p>Comprehensive user manual for Philips Roku TV models. Learn how to set up, connect devices, use smart features, customize settings, and troubleshoot your Philips Roku Smart TV.</p>
<p><b>PHILIPS</b></p> <p>Google TV</p> <p>7 series User manual</p> <p>www.philips.com/support</p> <p>1-800-470-2222</p>	<p><a href="#">Philips 7 Series Google TV User Manual</a></p> <p>Comprehensive user manual for the Philips 7 Series Google TV. Learn how to set up, connect devices, use Google Assistant, install apps, and troubleshoot common issues. Includes safety guidelines and specifications.</p>
<p><b>PHILIPS</b></p> <p>Google TV</p> <p>7 series User manual</p> <p>www.philips.com/support</p> <p>1-800-470-2222</p>	<p><a href="#">Philips 7 Series Google TV User Manual</a></p> <p>Explore the Philips 7 Series Google TV with this comprehensive user manual. Learn about setup, features, smart capabilities, and troubleshooting for your Philips television.</p>
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