eRapta A9

eRapta 1080P Wired Backup Camera System Kit User Manual

Model: A9 | Brand: eRapta

1. INTRODUCTION

The eRapta 1080P Wired Backup Camera System Kit (Model A9) is designed to enhance driving safety and visibility for large vehicles such as RVs, trucks, semi-trailers, box trucks, and trailers. This system features a 9-inch HD DVR monitor and four IP69 waterproof cameras, providing comprehensive surveillance and recording capabilities.

Image: The eRapta 1080P Wired Backup Camera System Kit, showing the 9-inch monitor and four cameras.

2. KEY FEATURES

- **Larger 9-inch Split Screen Monitor:** The 9-inch monitor features 1920x1080 pixel resolution and a 4-split screen function, allowing simultaneous viewing from up to four cameras. This provides more detailed and expansive views compared to smaller screens, ideal for large vehicles.

Image: The 9-inch monitor highlighting its HD display, DVR system, 9-inch screen size, parking line, remote control, and mirror function capabilities.

- **Built-in DVR System:** Supports simultaneous recording from all four cameras with loop recording functionality. This system can serve as crucial driving evidence when needed. It also includes mirroring and split-screen settings for versatile viewing.

Image: Visual representation of the DVR system with loop recording and video search features.

- **Excellent Night Vision & 4-Split:** Equipped with infrared lights and multi-layer glass lenses, the cameras provide clear images even in low-light conditions. The 4-split screen capability helps eliminate blind spots, enhancing overall driving safety.
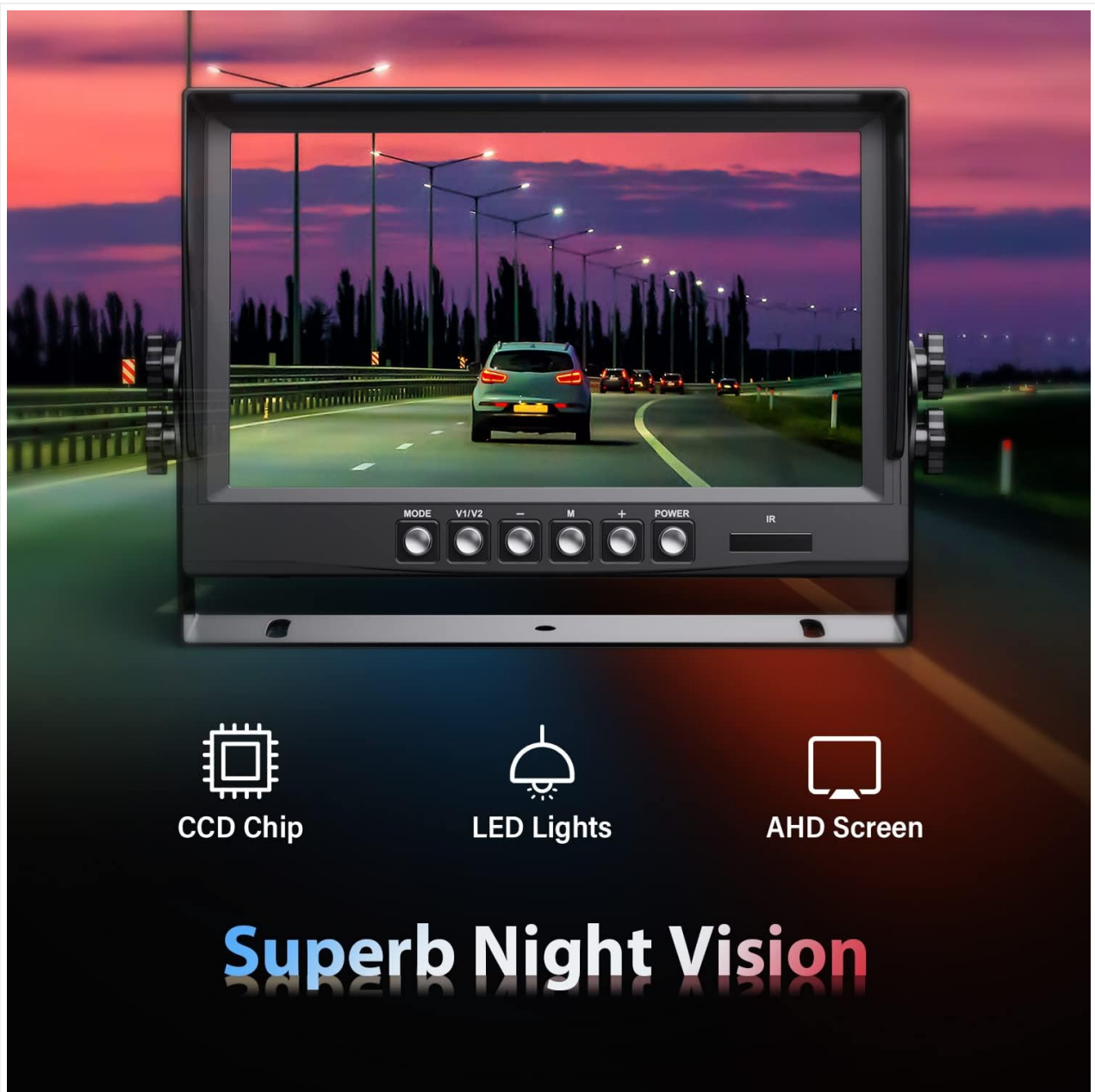
Image: The system's superb night vision capabilities, powered by CCD chips, LED lights, and an AHD screen.

- **IP69K Waterproof Cameras:** The backup cameras are designed with glue-filled technology, offering professional-grade waterproof, shockproof, and high/low-temperature resistance. This ensures reliable performance in various challenging weather and environmental conditions.

IP69K Waterproof

Use It Daringly Whatever It's Rainy/ Snowy/ Hot

Image: A camera demonstrating its IP69K waterproof durability against water splashes.

- **Flexible Vehicle Adaptability:** The system operates within a 12-24V DC voltage range, making it compatible with a wide array of large vehicles, including buses, semi-trailers, box vans, trailers, caravans, campers, 5th wheelers, and motor homes.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x 9-inch HD DVR Monitor
- 4x Cameras (2x Rectangle Cameras, 2x Side Cameras)
- 4x Video Cables (2x 33ft, 2x 66ft)
- 1x Power Cable
- 1x Remote Control
- 1x U-bracket
- 1x Installation Manual
- 1x 32GB SD Card

PACKAGE LIST

AHD 9 inch monitor

Two Rectangle Cameras

Two Side Cameras

Two 33ft Video Cables

A power Cable

32GB SD Card

Two 66ft Video Cables

A remote control

A Instruction

Image: A visual list of all components included in the product package, such as the monitor, cameras, cables, remote, and manual.

4. TECHNICAL SPECIFICATIONS

Feature	Specification
Product Dimensions	9.1 x 5.6 x 1.1 inches (Monitor)
Item Weight	9.68 pounds (Total)
Model Number	A9
Display Technology	LED
Screen Size	9 Inches
Compatible Devices	Monitor
Installation Type	Surface Mount

Feature	Specification
Voltage	12-24 Volts DC
Optical Sensor Technology	CCD
Lens Type	Wide Angle
Real Angle of View	170 Degrees
Connector Type	Wired
Waterproof Rating	IP69K
DVR Function	Simultaneous recording, Loop recording
Special Features	1080P HD display, 4 split screens, Night vision, Durable metal bracket, Upgrade chip

5. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. It is recommended to consult a professional if you are unsure about any steps.

5.1. Camera Placement

The cameras can be installed in various positions depending on your vehicle type and viewing needs. Common placements include:

- **Rear:** For backup assistance.
- **Front:** For forward view or parking.
- **Side (Left/Right):** To eliminate blind spots along the vehicle's sides.
- **Specific applications:** For campers, trailers, or other specialized vehicles.

INSTALL ANY PLACE YOU PREFER

For Rear

For Front

For Right

For Left

For Camper

For Trailer

RV   Truck   Trailer   Pickup   Camper   Bus

Image: Examples of camera installation points for rear, front, right, left, camper, and trailer applications.

5.2. Wiring Diagram

Connect the monitor and cameras according to the following wiring scheme. Ensure all connections are secure and properly insulated.
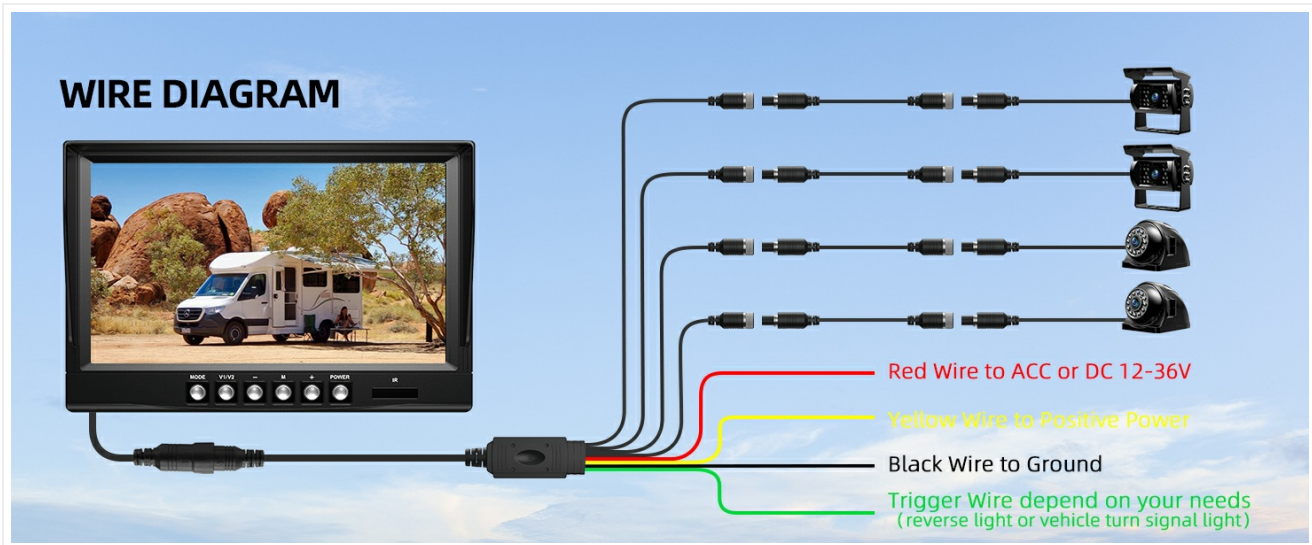
Image: A comprehensive wiring diagram illustrating connections for the monitor, cameras, power, ground, and trigger wires.

- **Red Wire:** Connect to ACC or DC 12-36V power source.
- **Yellow Wire:** Connect to Positive Power.
- **Black Wire:** Connect to Ground.
- **Trigger Wire:** Connect to reverse light or vehicle turn signal light, depending on desired automatic activation.

6. OPERATING INSTRUCTIONS

6.1. Monitor Controls

The monitor features several buttons for easy navigation and control:

- **MODE:** Cycles through display modes (e.g., single camera, split-screen).
- **V1/V2:** Selects video input channels.
- **M:** Menu button for settings.
- **+/-:** Navigation or adjustment buttons within the menu.
- **POWER:** Turns the monitor on/off.
- **IR:** Infrared receiver for remote control.

6.2. Display Modes

The monitor supports various display configurations to suit your needs:

- **Full Screen:** Displays a single camera view.
- **Dual-split:** Displays two camera views simultaneously.
- **Quad-split:** Displays four camera views simultaneously.

Image: Examples of full screen, dual-split, and quad-split display modes on the monitor.

6.3. DVR Functions

The built-in DVR system allows for continuous recording:

- **Simultaneous Recording:** All connected cameras record simultaneously.
- **Loop Recording:** Older footage is automatically overwritten when the storage card is full.
- **Video Search:** Recorded footage can be reviewed directly on the monitor or by removing the SD card and viewing on a computer.
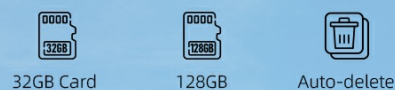

Image: The loop recording feature, showing how the system records and manages footage on a 32GB or 128GB card with auto-delete.

6.4. Image Adjustments (Mirror/Flip & Guide Lines)

The system allows for customization of camera views and parking guide lines:

- **Mirror/Flip:** Adjust the image orientation (Normal, Mirror, Flip, Mir-flip) to suit the camera's mounting position and desired view.
- **DIY Guide Lines:** Customize the parking guide lines by adjusting their width, horizontal movement, and height.
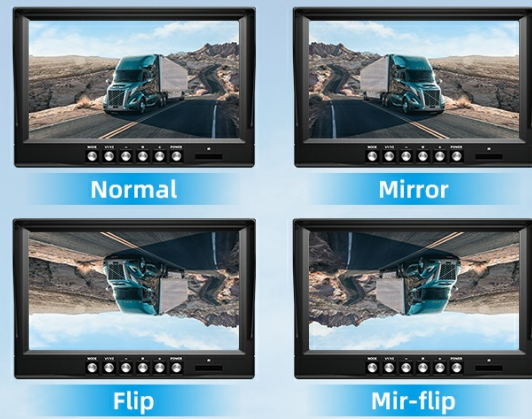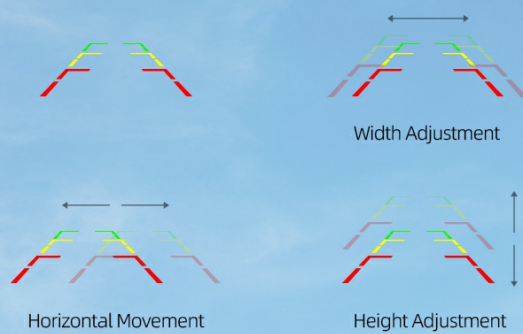
Image: Options for adjusting image orientation (Normal, Mirror, Flip, Mir-flip) and customizing DIY guide lines (width, horizontal movement, height).

7. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your eRapta backup camera system, follow these maintenance guidelines:

- **Regular Cleaning:** Keep camera lenses and the monitor screen clean from dirt, dust, and debris using a soft, damp cloth. Avoid abrasive cleaners.
- **Check Connections:** Periodically inspect all wired connections for tightness and signs of wear or corrosion. Secure any loose connections.
- **Camera Durability:** The cameras are IP69K waterproof and resistant to extreme temperatures. However, avoid direct high-pressure water jets on the camera lens.

Image: The rugged and durable design of the cameras, highlighting IP69K waterproof, low temperature resistance, and high temperature resistance.

8. TROUBLESHOOTING

If you encounter issues with your eRapta backup camera system, refer to the following common problems and solutions:

Problem	Possible Cause & Solution

Problem	Possible Cause & Solution
No image on monitor / Black screen	**Power Issue:** Ensure the monitor and cameras are receiving power. Check all power connections and fuses. **Loose Connection:** Verify that all video cables are securely connected to both the cameras and the monitor. **Incorrect Input:** Ensure the correct video input channel (V1/V2) is selected on the monitor.
Image is blurry or distorted	**Dirty Lens:** Clean the camera lens with a soft, lint-free cloth. **Cable Damage:** Inspect video cables for any damage or kinks. **Interference:** Ensure cables are routed away from strong electrical interference sources.
DVR not recording	**SD Card Issue:** Ensure the SD card is properly inserted, formatted, and not full. Try a different compatible SD card. **Recording Setting:** Check the DVR settings in the monitor menu to ensure recording is enabled.
Remote control not working	**Battery:** Replace the battery in the remote control. **Line of Sight:** Ensure there is a clear line of sight between the remote and the monitor's IR receiver.

9. WARRANTY AND CUSTOMER SUPPORT

eRapta provides a **2-year warranty** for this product. For any inquiries, missing accessories, or technical assistance, please contact eRapta customer support.

Our support department is available **24 hours online** to provide consultation and assistance.

For further assistance, please visit the official eRapta store or contact their support channels as provided in your product packaging or on their official website.

You can also visit the eRapta store on Amazon: eRapta Amazon Store