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› UDIRC U829-21 Onboard Camera Instruction Manual

UDIRC UDIU829-21

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Model: UDIU829-21

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your UDIRC U829-21 Onboard Camera. This camera is designed as a direct replacement part for the UDI U829A Quadcopter, enabling aerial photography and video recording capabilities. Please read this manual thoroughly before use to ensure proper function and longevity of your product.

SAFETY PRECAUTIONS

- Always ensure the quadcopter's power is off before installing or removing the camera.
- Handle the camera module with care to avoid damage to electronic components or wiring.
- Keep the camera away from water and extreme temperatures.
- This product is recommended for users aged 16 years and up.

PACKAGE CONTENTS

Verify that all components are present upon opening the package:

- UDIRC U829-21 Onboard Camera Module
- (Additional items like screws or mounting brackets may be included depending on the specific kit. Refer to your quadcopter's manual for full assembly details.)

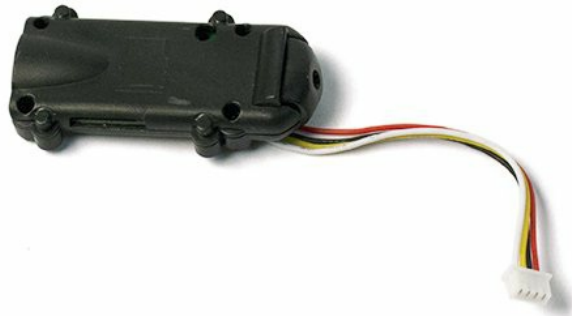


Figure 1: The UDIRC U829-21 Onboard Camera module. This image displays the compact black camera unit with its integrated multi-colored wiring harness ending in a white connector, ready for installation.

SETUP AND INSTALLATION

The UDIRC U829-21 Onboard Camera is designed for direct replacement or upgrade on the UDI U829A Quadcopter. Follow these steps for proper installation:

1. **Power Off:** Ensure your UDI U829A Quadcopter is completely powered off and the battery is disconnected before beginning installation.
2. **Locate Camera Bay:** Identify the designated camera mounting bay on the underside of your UDI U829A Quadcopter. If replacing an existing camera, carefully remove the old unit and disconnect its wiring.
3. **Mount Camera:** Position the U829-21 camera module into the mounting bay. Secure it using the appropriate screws or clips provided with your quadcopter (not typically included with the camera module itself).
4. **Connect Wiring:** Carefully connect the camera's wiring harness to the corresponding port on the quadcopter's main circuit board. Ensure the connector is fully seated and oriented correctly to avoid damage. The multi-colored wires (red, white, yellow, black) should align with the quadcopter's port.
5. **Secure Wires:** Gently tuck any excess wiring to prevent interference with propellers or other moving parts.
6. **Final Check:** Visually inspect the installation to confirm the camera is securely mounted and all connections are firm.

OPERATING INSTRUCTIONS

Once installed, the U829-21 camera's operation is typically controlled via your UDI U829A Quadcopter's remote control. Refer to your quadcopter's instruction manual for specific button functions related to camera control.

- **Power On:** Connect the quadcopter battery and power on the quadcopter and its remote control.
- **Camera Indicator:** Observe the camera's indicator light (if present) to confirm it is powered on and ready.
- **Recording/Photo:** Use the designated buttons on your remote control to initiate video recording or capture still

photographs.

- **Storage:** Video and photo files are typically saved to a microSD card inserted into the camera module (card not included). Ensure a compatible microSD card is inserted before flight.
- **Downloading Files:** To access recorded media, power off the quadcopter, remove the microSD card from the camera, and insert it into a computer's card reader.

MAINTENANCE

- **Cleaning:** Gently wipe the camera lens with a soft, dry, lint-free cloth to remove dust or smudges. Avoid using harsh chemicals.
- **Storage:** When not in use, store the quadcopter with the camera in a cool, dry place, away from direct sunlight.
- **Wiring Inspection:** Periodically check the wiring harness for any signs of wear, fraying, or loose connections.
- **Firmware:** Check the UDIRC official website for any available firmware updates for your quadcopter, which may also affect camera performance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not powering on.	Loose connection; quadcopter not powered.	Ensure wiring harness is securely connected. Verify quadcopter battery is charged and connected, and the quadcopter is powered on.
Cannot record video or take photos.	No microSD card; full microSD card; card error.	Insert a compatible microSD card. Check if the card is full and delete unnecessary files or replace it. Format the microSD card if errors persist.
Poor image/video quality.	Dirty lens; low light conditions; vibration.	Clean the camera lens. Operate in well-lit conditions. Ensure the camera is securely mounted to minimize vibration.
Camera disconnects during flight.	Loose connection; power fluctuation.	Re-check all wiring connections. Ensure the quadcopter battery is fully charged and in good condition.

SPECIFICATIONS

- **Model:** UDIU829-21
- **Compatibility:** Direct replacement for UDI U829A Quadcopter
- **Product Dimensions:** 6.75 x 4 x 0.38 inches
- **Item Weight:** 0.353 ounces
- **Manufacturer:** HRP Distribution
- **Recommended Age:** 16 years and up
- **UPC:** 739792842849

SUPPORT AND WARRANTY

For technical support, replacement parts, or warranty inquiries, please contact UDIRC customer service or visit their

official website.

- **UDIRC Official Store:** [Visit the UDIRC Store on Amazon](#)
- **Manufacturer:** HRP Distribution
- Specific warranty details may vary. Please refer to the documentation included with your original quadcopter purchase or contact UDIRC directly for current warranty information.

