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Eyoyo EF07A

Eyoyo EF07A Underwater Fishing Camera System User Manual

1. PRODUCT OVERVIEW

This manual provides instructions for the Eyoyo EF07A Underwater Fishing Camera System. This system is designed to assist in observing underwater environments for fishing and exploration purposes. It includes a 7-inch LCD monitor, a 1000TVL waterproof camera, and a robust cable for deployment.

1.1 Package Contents

- 1x 7-inch TFT Monitor
- 1x Battery
- 1x User Manual
- 1x Camera with 15m/49ft cable and wheel
- 1x Carrying Case
- 1x Charger
- 1x Set of Metal Clips
- 1x Sunshade
- 1x Float
- 1x Set of Plastic Rings

1.2 Key Features

- **7-inch Color TFT Screen:** Provides clear visuals with a sun-visor for bright conditions.
- **1000TVL Camera:** Offers sharp image clarity and color reproduction.
- **12 Infrared Lights:** Enhances visibility in dark or murky water, automatically switching to black-and-white mode for improved contrast.
- **4500mAh Rechargeable Battery:** Delivers up to 8 hours of continuous operation.
- **15m/49ft Waterproof Cable:** Cold-resistant and durable, with a maximum load capacity of 30kg (66lb).



Figure 1: Complete Eyoyo EF07A Underwater Fishing Camera System kit.

7" Portable Size LCD Monitor



500:1
Contrast Ratio



500cd/m2
Brightness



16:9
Aspect Ratio



Figure 2: The 7-inch portable LCD monitor with key display features.

2. SETUP INSTRUCTIONS

2.1 Unpacking and Initial Inspection

Carefully remove all components from the carrying case. Inspect each item for any visible damage. Ensure all listed components are present.

2.2 Charging the Battery

1. Connect the charger to the battery box.
2. Plug the charger into a standard electrical outlet.
3. Allow the battery to charge fully before first use. The charging indicator light will change when charging is complete.

2.3 System Assembly

1. Place the 7-inch monitor securely in the carrying case or on a stable surface.

2. Connect the monitor power cable to the designated port on the battery box.
3. Connect the camera cable to the designated video input port on the battery box.
4. Ensure all connections are firm to prevent accidental disconnection during use.

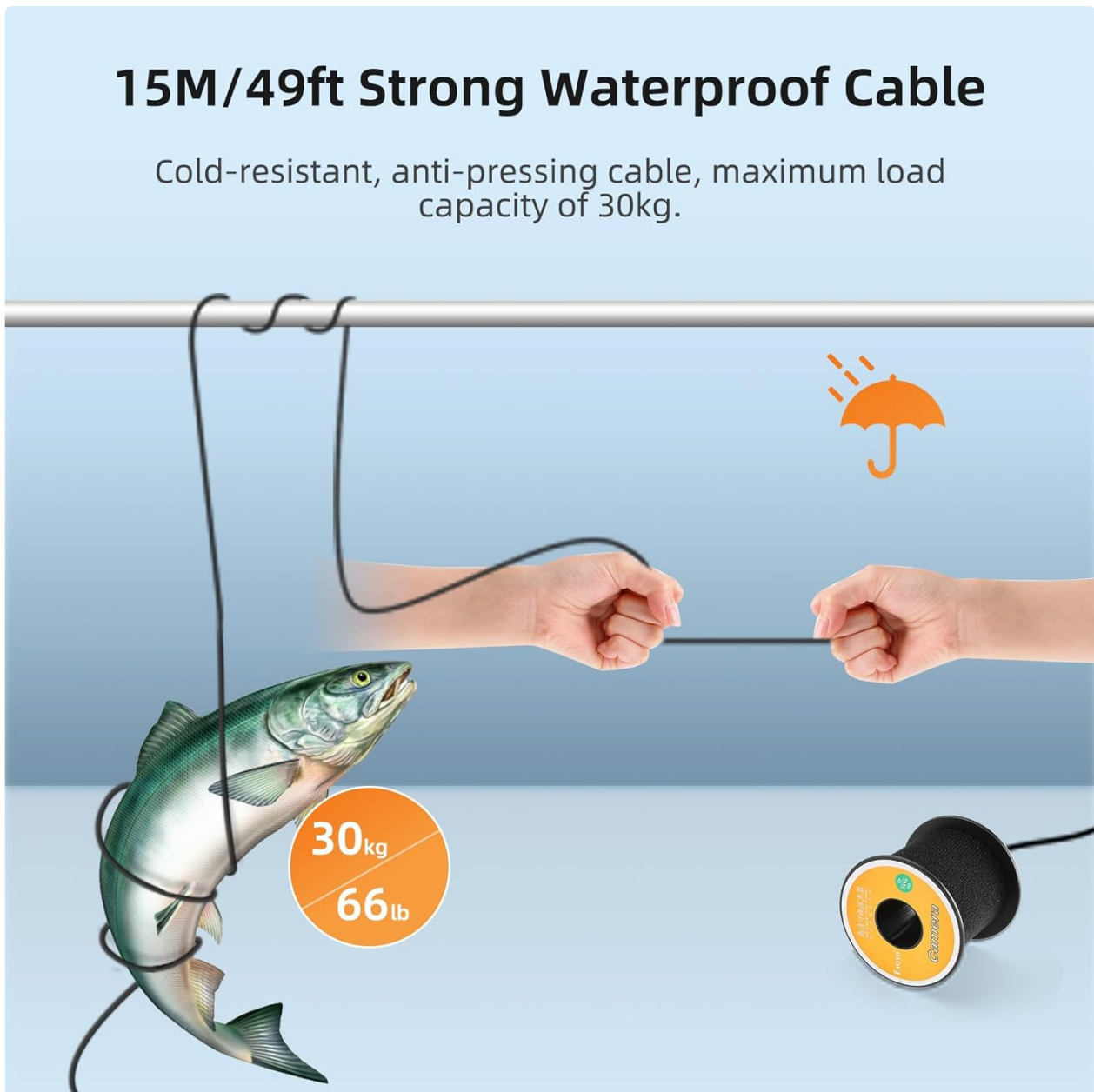


Figure 3: Connection diagram for the monitor, camera, and battery box.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

Press and hold the power button on the monitor to turn the system on or off.

3.2 Monitor Functions

- **Sun-visor:** Attach the included sun-visor to the monitor for improved visibility in bright sunlight.
- **Menu Buttons:** Use the menu buttons on the monitor to adjust settings such as brightness, contrast, and color saturation. Refer to the monitor's specific user interface for detailed navigation.

3.3 Camera Deployment

1. Unwind the camera cable from the wheel.
2. Attach the camera to your fishing line or a separate deployment mechanism. The camera can be oriented to look down, horizontally, or at an angle using the included accessories (e.g., plastic rings, metal clips).
3. Slowly lower the camera into the water to the desired depth.
4. Observe the monitor for underwater activity.



Figure 4: Details of the 1000TVL waterproof camera and its components.

3.4 Infrared (IR) Lights

The camera is equipped with 12 infrared lights for low-light conditions. These lights automatically activate in dark environments, and the display will switch to a black-and-white image to enhance contrast and visibility. There is also an IR lights switch on the battery box connection for manual control.



Figure 5: Visual comparison of camera view with IR lights off (colorful) and on (black and white).

3.5 Battery Life

The 4500mAh battery provides approximately 6-8 hours of continuous operation on a full charge. Actual battery life may vary depending on usage conditions, such as temperature and IR light activation.



Figure 6: Examples of various applications for the underwater fishing camera.

4. MAINTENANCE

4.1 Cleaning

- **Camera Lens:** After each use, gently wipe the camera lens with a soft, clean cloth to remove any debris or water spots. Avoid abrasive materials that could scratch the lens.
- **Monitor Screen:** Use a soft, lint-free cloth to clean the monitor screen. For stubborn smudges, a screen cleaner designed for electronics can be used sparingly.
- **Cables and Connectors:** Ensure all cables and connectors are clean and dry before storage.

4.2 Battery Care

- Store the battery in a cool, dry place when not in use.
- Avoid fully discharging the battery frequently. Recharge it periodically if stored for extended periods.
- Do not expose the battery to extreme temperatures.

4.3 Storage

Store the entire system in its original carrying case in a dry, temperature-controlled environment. Ensure the camera and monitor are completely dry before packing to prevent moisture damage.

5. TROUBLESHOOTING

5.1 No Image on Monitor

- Check if the monitor is powered on.
- Verify that the battery is charged and properly connected to both the monitor and camera.
- Ensure the camera cable is securely connected to the battery box's video input.

5.2 Poor Image Quality

- Clean the camera lens for any obstructions or smudges.
- Adjust monitor settings (brightness, contrast, color) via the menu buttons.
- Ensure water clarity is sufficient for viewing. Murky water will naturally reduce visibility.
- If in dark conditions, ensure IR lights are functioning.

5.3 Battery Not Charging

- Verify the charger is correctly plugged into both the battery box and a working power outlet.
- Check the charger cable for any damage.
- Ensure the battery box connections are secure.

6. SPECIFICATIONS

Feature	Specification
Model Name	EF07A
Monitor Size	7 inch TFT Color LCD
Camera Resolution	1000TVL
Infrared Lights	12 pcs
Cable Length	15m/49ft
Battery Capacity	4500mAh
Battery Life	Up to 8 hours
Waterproof Rating	IP68 (Camera)
Operating Temperature	Refer to product packaging for specific range
Item Package Dimensions	9.53 x 8.39 x 5.28 inches
Package Weight	1.71 Kilograms

7. WARRANTY AND SUPPORT

7.1 Warranty Information

This Eyoyo product comes with a **2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use conditions.

7.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Eyoyo customer support. Refer to the contact information provided on the product packaging or the official Eyoyo website.