

[Manuals.plus](#) /

› [YEOIZO](#) /

› YEOIZO Marine Analog Camera H1 User Manual

YEOIZO H1

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Model: H1

1. PRODUCT OVERVIEW

The YEOIZO Marine Analog Camera H1 is designed to enhance visibility and safety during night navigation. It features full-color night vision, high-resolution imaging, and marine-grade durability, making it suitable for various marine environments.



Image: YEOIZO Marine Analog Camera H1 mounted on a boat, showcasing its design and potential installation locations.

Key Features:

- **Full-Color Night Vision:** Utilizes an advanced CMOS sensor and AI starlight algorithm for clear, full-color images in ultra-low light conditions, extending visibility up to 1000 meters.
- **High-Resolution Imaging:** Offers 5MP (500W pixels) resolution with a 120-degree wide viewing angle, powered by a 1-inch image sensing chip.
- **Marine-Grade Durability:** Constructed from aviation-grade aluminum alloy with CNC processing and a seawater corrosion-resistant coating, achieving an IP67 waterproof rating.
- **4K Video Support:** Supports preview, storage, and playback of up to 4K high-definition videos.
- **Versatile Connectivity:** Features HDMI and VGA output options, compatible with Android devices and iOS iPads.

2. SETUP AND INSTALLATION

This section guides you through the process of setting up your YEOIZO Marine Analog Camera H1.

2.1 What's in the Box

What you get



Main unit



Fixator



HDMI



water-resistant connector



conversion line



Camera connection cable



Power cord



Manual



Power stability

Image: All components included in the YEOIZO Marine Analog Camera H1 package, laid out for identification.

- Security Camera
- Mounting Bracket
- Main Unit
- Cable
- Fixator
- HDMI Cable
- Water-resistant Connector
- Conversion Line
- Power Cord
- Manual
- Power Stability Module

2.2 Mounting the Camera

The camera features an adjustable mounting bracket for flexible positioning. Ensure the mounting surface is stable and secure for marine conditions. The aluminum alloy body with anodic oxidation treatment provides excellent heat dissipation.

2.3 Wiring Diagram

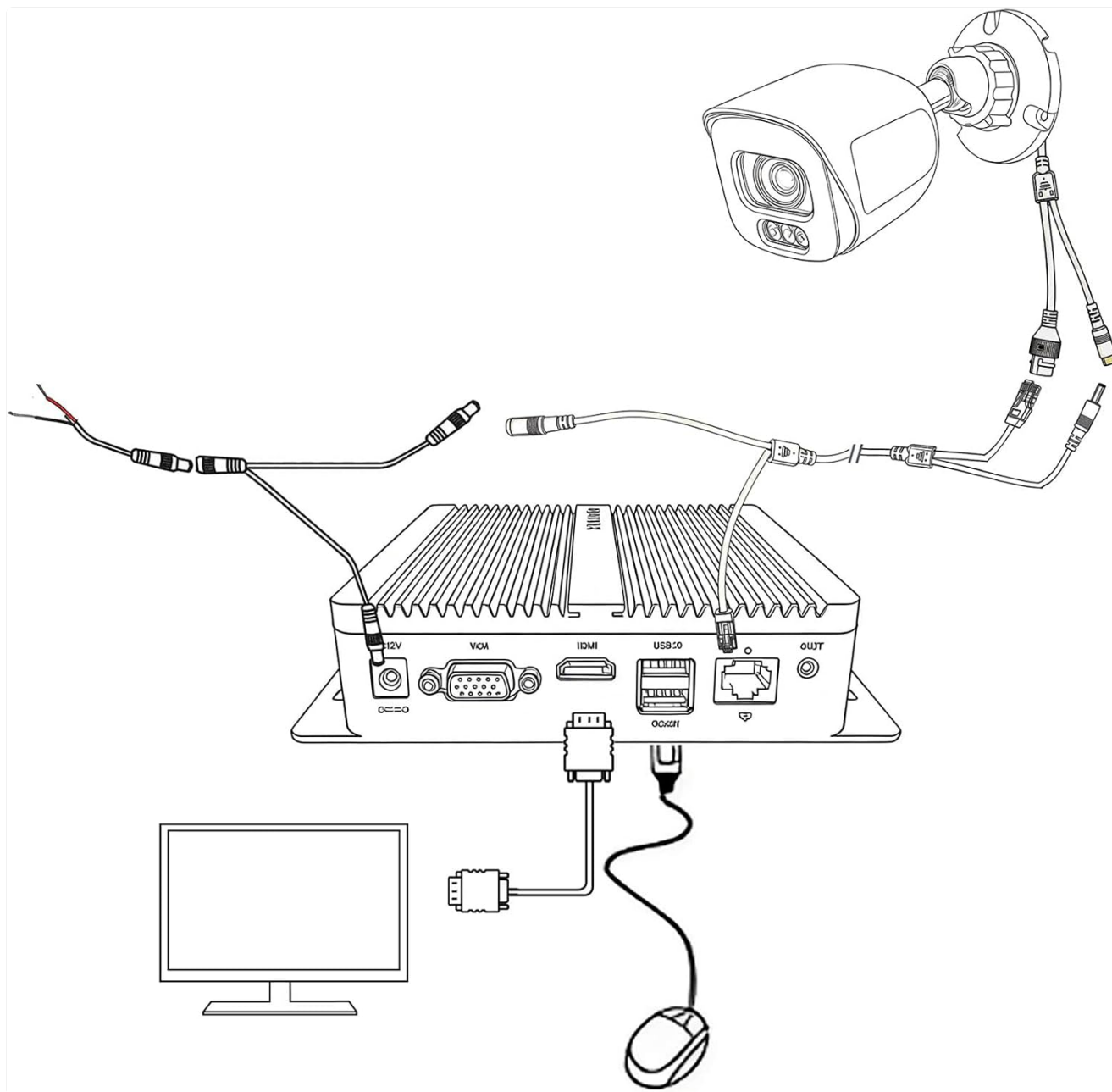


Image: Detailed wiring diagram showing connections between the camera, main unit, monitor, and power supply.

Connect the camera to the main unit using the provided cables. Ensure all connections are secure and the water-resistant connectors are properly sealed to prevent water ingress. Connect the main unit to a monitor via HDMI or VGA for display.

2.4 Initial Monitor Setup

Upon first connection, you may need to configure the monitor settings. The system supports automatic camera addition for a simplified setup process.

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Video: Demonstrates the initial setup process for connecting the camera to a monitor and configuring settings.

3. OPERATING INSTRUCTIONS

The YEOIZO Marine Analog Camera H1 is designed for intuitive operation, providing clear visibility in challenging conditions.

3.1 Night Vision Operation

The camera automatically activates its super night mode in ultra-low light conditions, utilizing its AI starlight algorithm to capture full-color images. This allows for clear identification of objects such as crab traps, buoys, bridges, and other vessels.



Image: A visual comparison demonstrating the camera's ability to provide clear, full-color vision in darkness compared to natural night vision.

The real deal on night vision



Image: Screenshots displaying the actual night vision output from the YEOIZO camera on a monitor.

Your browser does not support the video tag.

Video: Shows the YEOIZO Marine Analog Camera H1 in action, demonstrating its night vision capabilities on a yacht.

Your browser does not support the video tag.

Video: A brief demonstration of the camera's night vision performance.

3.2 Video Output and Storage

The camera supports HDMI and VGA outputs for connecting to various display devices. It is compatible with Android and iOS iPad devices. The system allows for preview, storage, and playback of videos, with storage capacity up to 6TB.



Image: The YEOIZO camera connected to both a monitor via HDMI/VGA and a tablet via Type-C, illustrating its versatile output options.

4. MAINTENANCE

To ensure the longevity and optimal performance of your YEOIZO Marine Analog Camera H1, follow these maintenance guidelines:

- **Regular Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the marine-grade coating.
- **Inspect Connections:** Regularly check all cable connections for corrosion or damage, especially the water-resistant connectors. Ensure they remain tightly sealed.
- **Housing Integrity:** Inspect the aviation-grade aluminum alloy housing for any signs of physical damage or compromise to the IP67 waterproof rating.
- **Software Updates:** If applicable, check for and install any available firmware updates for the main unit to ensure optimal performance and security.

5. TROUBLESHOOTING

- If you encounter any issues with your YEOIZO Marine Analog Camera H1, please refer to the following general advice:
- **No Image Display:** Check all power connections to the camera and main unit. Verify that the HDMI/VGA cable is securely connected to both the main unit and the monitor. Ensure the monitor is set to the correct input source.
 - **Poor Image Quality:** Clean the camera lens. Ensure there are no obstructions in the camera's field of view. Verify that the camera is properly focused (if adjustable).
 - **Connectivity Issues (Ethernet, Wi-Fi, ONVIF):** For detailed instructions on network-related functions or remote viewing, consult the NVR user manual that came with your system. Ensure your network settings are correctly configured.
 - **System Unresponsive:** Try power cycling the main unit by disconnecting and reconnecting the power supply.
- For persistent issues or further assistance, please contact YEOIZO customer support.

6. SPECIFICATIONS

Feature	Specification
Brand	YEOIZO
Model Name	H1
Recommended Uses	Outdoor Security, Surveillance
Connectivity Technology	Wired
Special Feature	Night Vision (Full-Color, Ultra-Low Light)
Indoor/Outdoor Usage	Outdoor
Color	White
Enclosure Material	Aluminum, Anodized Aluminum, Aviation Grade Aluminum
Batteries Required	No
Built-In Media	Cable, Main Unit, Mounting Bracket, Security Camera

7. WARRANTY AND SUPPORT

Your YEOIZO Marine Analog Camera H1 is covered by a**5-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures reliable operation under normal use.

For any questions, technical support, or warranty claims, please contact YEOIZO customer service. Refer to the contact information provided in your product packaging or visit the official YEOIZO website for support resources.

When contacting support, please have your product model (H1) and purchase details readily available.

