Real HD HD Analog

Real HD 2MP Dome Security Camera User Manual

Model: HD Analog

1. Introduction

Thank you for choosing the Real HD 2MP Dome Security Camera. This manual provides essential information for the proper installation, operation, and maintenance of your new surveillance camera. Please read this manual thoroughly before use to ensure optimal performance and longevity of the product.



Figure 1: Real HD 2MP Dome Security Camera

This image displays the Real HD 2MP Dome Security Camera, showcasing its compact dome design and integrated IR LEDs for night vision.

2. Product Features

- **High Definition Video:** 2 Megapixels (1080p) resolution for clear and detailed surveillance footage.
- **Wide Viewing Angle:** Equipped with a 2.8mm fixed lens providing a 100-degree Field of View (FOV) to cover large areas.
- **Versatile Compatibility (4-in-1):** Supports multiple video output formats including 1080P HD-TVI, HD CVI, AHD, and 960H (1000 TVL) CVBS. Compatible with various DVR types.
- **Infrared Night Vision:** Features 65ft (approximately 20 meters) IR night vision range for clear monitoring in low-light or no-light conditions.
- **DIP Switch for Mode Selection:** Easy switching of video output format (TVI/CVI/AHD/CVBS) via a convenient DIP switch on the cable.
- **Durable Construction:** IP66 weather-rated full metal housing, suitable for both indoor and outdoor use, with an operating temperature range of -40°F to 140°F.



Figure 2: 4-in-1 Video Output Compatibility

This diagram illustrates the camera's ability to output video in four different formats: TVI, AHD, CVI, and 960H, making it compatible with a wide range of DVR systems.



Figure 3: Night Vision Capability

This image demonstrates the camera's effective night vision, capable of providing clear surveillance up to 20 meters (65 feet) in dark conditions.

3. Package Contents

The package typically includes:

- Real HD 2MP Dome Security Camera

Note: A power adapter and a DVR are required for operation and recording, and are sold separately.

4. Setup and Installation

4.1 Pre-Installation Considerations

- Ensure you have a compatible DVR (TVI, CVI, AHD, or Analog) and a 12V DC power supply.
- Plan the camera's mounting location to ensure optimal viewing angle and cable routing.

4.2 Wiring the Camera

Connect the camera to your DVR and power supply as shown in the diagram below. The camera uses standard

BNC connectors for video output and a DC power input.



Figure 4: Camera Wiring Diagram

This diagram illustrates the necessary connections for the camera, including the power input, video output (BNC), and the adjusting line for video mode selection.

4.3 Video Mode Switching (DIP Switch)

The camera's default video output is 1080P AHD mode. To ensure compatibility with your DVR, you may need to switch the video output mode using the DIP switch located on the camera's cable. Refer to the diagram below for the correct switch settings for TVI, AHD, CVBS, and CVI modes.

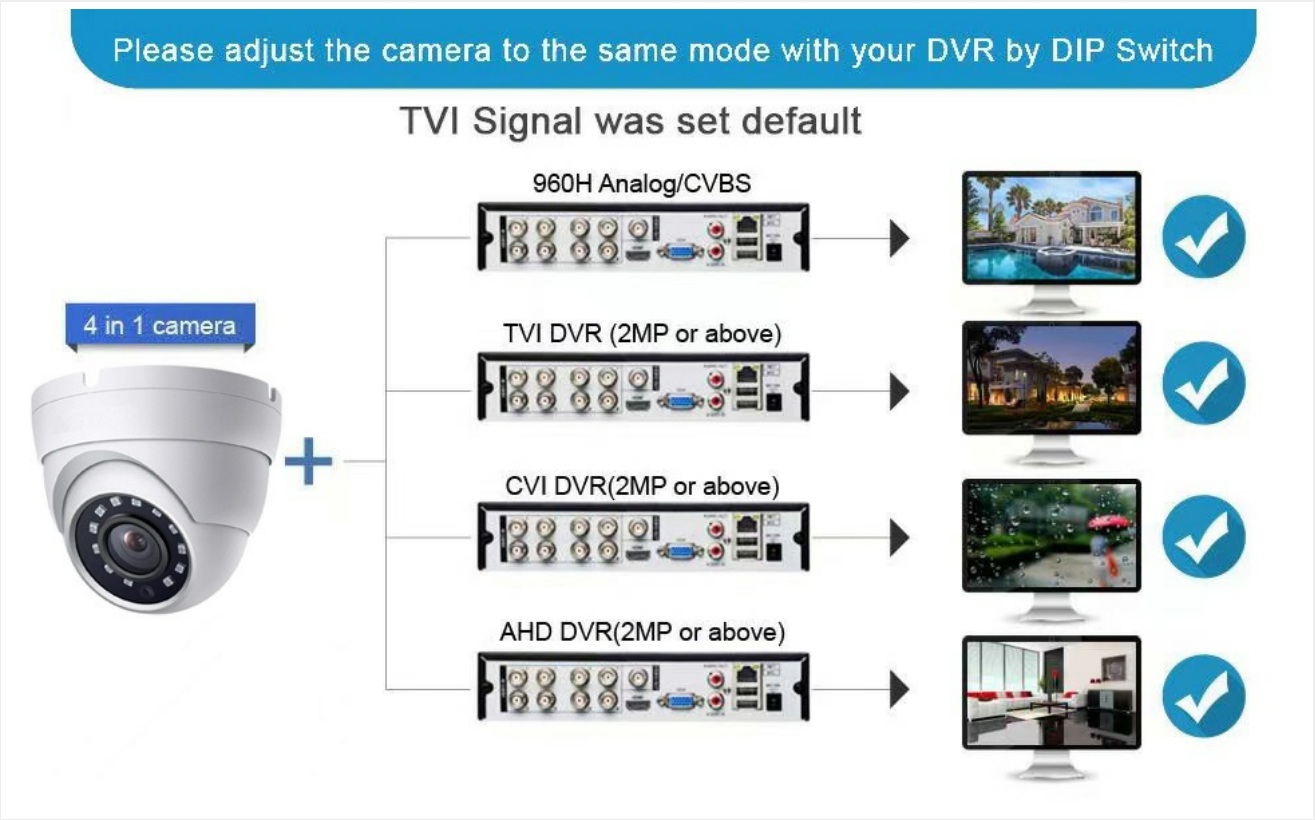


Figure 5: DIP Switch Settings for Video Output

This diagram details the DIP switch configurations required to select the appropriate video output mode (TVI, AHD, CVBS, CVI) to match your DVR system.

4.4 Mounting the Camera

The camera's full metal housing and IP66 weather rating allow for both indoor and outdoor installation. Secure the camera firmly to a stable surface using appropriate screws and anchors. Adjust the camera's angle to achieve the desired field of view.



Figure 6: Indoor and Outdoor Application

This image illustrates the versatility of the camera for both indoor and outdoor surveillance, highlighting its robust design suitable for various environments.

5. Operation

Once properly installed and connected to a compatible DVR, the camera will continuously capture video footage. The DVR is responsible for recording, storing, and allowing remote viewing of the video feed. This camera does not have built-in recording or remote viewing capabilities.

5.1 Night Vision

The camera automatically switches to infrared night vision mode in low-light conditions. The Smart IR LEDs adjust intensity to prevent overexposure and provide clear images up to 65 feet (20 meters) in complete darkness.

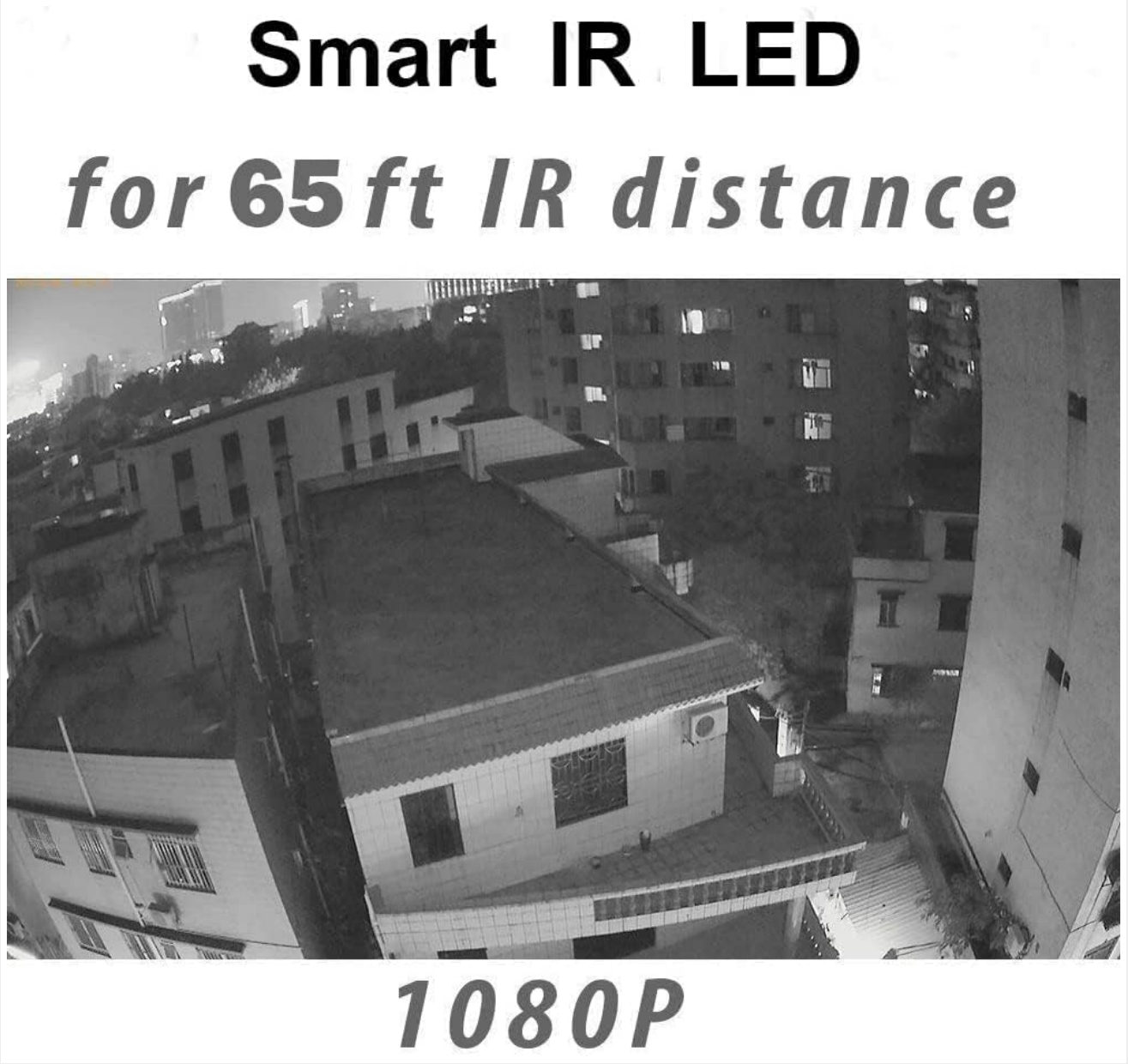


Figure 7: Smart IR LED Night Vision

This image shows the clarity of the 1080P night vision provided by the camera's Smart IR LEDs, effective up to 65 feet.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your security camera.

- **Cleaning:** Gently wipe the camera lens and housing with a soft, damp cloth to remove dust and dirt. Avoid abrasive cleaners.
- **Cable Inspection:** Periodically check all cable connections (video and power) for secure fit and signs of wear or damage.
- **Environmental Check:** Ensure the camera's mounting area remains clear of obstructions that could block the field of view or interfere with its operation.

7. Troubleshooting

If you encounter issues with your camera, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No video signal / Black screen	Loose cable connection; Incorrect video mode; No power to camera; DVR issue.	Check all BNC and power connections. Verify DIP switch setting matches DVR mode. Ensure power adapter is connected and functional. Test with another camera/DVR if possible.
Blurry or distorted image	Dirty lens; Cable interference; Faulty cable; Camera malfunction.	Clean the camera lens. Ensure cables are not near strong electrical interference. Try a different BNC cable. If issue persists, contact support.
Poor night vision	IR LEDs obstructed; Insufficient power; Environmental factors.	Ensure nothing is blocking the IR LEDs. Verify stable 12V DC power supply. Consider ambient light sources that might interfere.
Difficulty with mounting angle	Tightening mechanism.	Loosen the ring slightly, adjust the camera ball to the desired angle, then carefully tighten the ring while holding the camera in position. Mark the desired alignment before final tightening.

If the problem persists after attempting these solutions, please contact Real HD customer support for further assistance.

8. Specifications

Feature	Specification
Model Number	HD Analog
Video Capture Resolution	1080p (2 Megapixels)
Lens	2.8mm Fixed Lens
Field of View (FOV)	100 Degrees
Night Vision Range	65 Feet (approx. 20 meters)
Connectivity Technology	Wired (BNC)
Compatible Devices	DVR (TVI, CVI, AHD, Analog)
Power Source	12V DC
Material	Full Metal Housing
International Protection Rating	IP66 (Weather-rated)
Operating Temperature	-40°F ~ 140°F (-40°C ~ 60°C)
Dimensions (L x W x H)	3.7 x 3.7 x 3 inches
Item Weight	12.5 ounces

Feature	Specification
UPC	722390681828

9. Warranty and Support

Real HD is committed to providing reliable products and excellent customer service. For any inquiries, technical support, or warranty claims, please contact the seller directly through your purchase platform. Our US local office is available to provide prompt assistance.

For more information about Real HD products, you can visit the official Real HD store on Amazon: Real HD Store

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