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› Inwerang 5MP 4MP Dome Super Hybrid Security Camera User Manual

Inwerang B07MTVSN7D

Inwerang 5MP 4MP Dome Super Hybrid Security Camera User Manual

Model: B07MTVSN7D

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Inwerang 5MP 4MP Dome Super Hybrid Security Camera. Please read this guide carefully before using the product to ensure proper functionality and longevity.



Figure 1: Inwerang 5MP 4MP Dome Super Hybrid Security Camera, suitable for both indoor and outdoor monitoring.

PRODUCT FEATURES

- **High Resolution:** 5MP (2560x1920) and 4MP video capture resolution for clear imaging.
- **Super Hybrid Video Output:** Supports HD-TVI, CVI, AHD, and 960H CVBS (Analog) 4-in-1 video modes.
- **Varifocal Lens:** Adjustable 2.8-12mm lens for flexible viewing angles and zoom.
- **Enhanced Night Vision:** Equipped with 48pcs IR LEDs, providing up to 98 feet (30 meters) of infrared night vision.
- **Durable Design:** IP66 waterproof aluminum enclosure for indoor and outdoor use, resistant to dust, sand, rain, and snow.
- **CMOS Sensor:** Utilizes a 1/2.5" 5MP CMOS sensor for high-quality image resolution.

SETUP AND INSTALLATION

1. Physical Installation

Follow these steps to physically install your dome camera. Ensure the mounting surface is secure and can support the camera's

weight.

1. **Positioning:** Select a suitable location for the camera, considering the desired viewing area and cable routing.
2. **Drill Holes:** Use the provided positioning card to mark and drill holes for mounting the camera base.
3. **Mount Base:** Secure the camera's mounting base to the surface using appropriate screws. For concrete walls, use expansion screws.
4. **Connect Cables:** Connect the power and video cables to the camera.
5. **Attach Camera Body:** Attach the camera body to the mounted base.
6. **Adjust Angle:** Tighten the middle circle to the right to secure the camera and adjust its angle for optimal coverage.

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Video 1: Detailed installation guide for the Inwerang 5MP Dome Camera, demonstrating mounting and angle adjustment.



Figure 2: The camera features an IP66 waterproof rating, ensuring durability in various weather conditions.

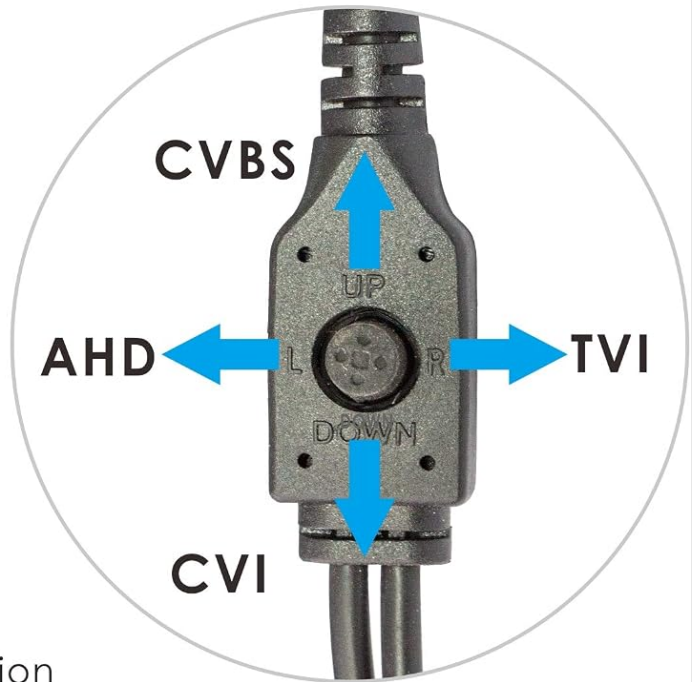
2. Video Mode Configuration (4-in-1 Camera)

This camera supports TVI, AHD, CVI, and 960H CVBS video outputs. The default video mode is 5MP TVI at 20 frames per second

(fps). You must switch to the corresponding video mode using the OSD joystick cable according to your Digital Video Recorder (DVR) type before use.

TVI/AHD/CVI/960H 4in1 Camera

Apart from the default TVI video output mode, this camera also supports AHD and CVI output mode. Just make sure your DVR supports any one of these and then enjoy vivid video on big screen.



Connections:

1. Connect the power cable
2. Move the joystick in the right direction
3. Press hold **5** seconds.



TVI
videl output



AHD
videl output



CVI
videl output



960H
videl output

Figure 3: OSD joystick for switching between TVI, AHD, CVI, and CVBS video output modes.

Steps to Switch Video Mode:

1. Connect the camera to a power source and your DVR.
2. Locate the OSD joystick cable attached to the camera.
3. Move the joystick in the direction corresponding to your desired video mode (UP for CVBS, LEFT for AHD, RIGHT for TVI, DOWN for CVI).
4. Press and hold the joystick in the chosen direction for 5 seconds to activate the switch.

Important Note for DVR Compatibility: If your DVR only supports 5MP at 12.5fps, first switch the camera to 960H mode using the joystick. Then, access the camera's OSD menu (usually through your DVR interface) to select 5MP@12.5fps video output.

Connection samples

5MP 4in1 (TVI /AHD/CVI/960H Analog) Dome Camera



⚠ Notice:

This is a **5MP@20fps TVI/AHD/CVI** 4 in 1 camera, Please confirm your DVR type, and then use OSD Joystick to switch to corresponding camera video mode.

If your DVR only supports 5MP@12.5fps, please use OSD joystick to switch to 960H mode first, then enter into camera OSD menu to choose 5MP@12.5fps video output.

Figure 4: Illustrates how the 4-in-1 camera connects to different DVR types (TVI, CVI, AHD, Analog 960H).

OPERATING INSTRUCTIONS

1. Adjusting Varifocal Lens (Zoom and Focus)

The camera features a manual varifocal lens (2.8-12mm) allowing you to adjust the zoom and focus for optimal clarity and field of view. This adjustment is typically done during installation or when the camera's viewing area needs to be changed.

1. Locate the ZOOM and FOCUS adjustment screws/levers on the camera body. These are usually accessible after removing the outer dome cover.
2. Adjust the ZOOM to achieve the desired magnification of the scene.
3. Adjust the FOCUS until the image on your monitor is clear and sharp.
4. Once adjustments are complete, secure the dome cover back in place.

Your browser does not support the video tag.

Video 2: Demonstration of manual varifocal lens adjustment for zoom and focus on the Inwerang 5MP CCTV Dome Camera.

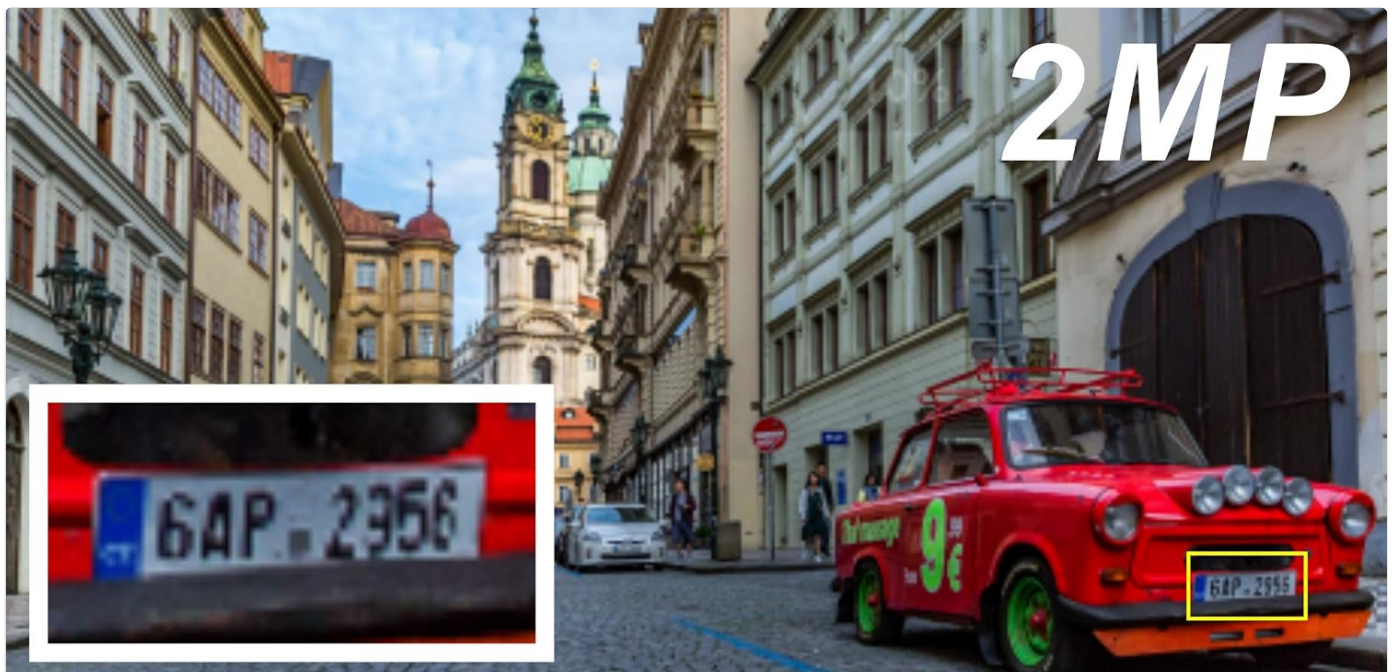


Figure 5: Visual comparison highlighting the superior detail captured by the 5MP resolution compared to 2MP.

2. Day and Night Vision

The camera automatically switches between day (color) and night (black and white infrared) vision modes based on ambient light conditions. The integrated IR LEDs activate in low light to provide clear surveillance up to 98 feet.

Day/Night Vision

24pcs IR Led Lights, 30m IR distance for night vision.



Figure 6: Illustrates the camera's automatic transition between daytime color video and nighttime infrared video effects.

TROUBLESHOOTING

• No Picture/Poor Picture Quality:

- Ensure your DVR is compatible with the camera's video format (TVI/AHD/CVI/960H).
- Verify the camera's video mode is correctly set using the OSD joystick (refer to "Video Mode Configuration").
- Check cable connections for security and integrity.
- Adjust the manual zoom and focus for a clear image.

• Night Vision Issues:

- Ensure the camera's night vision setting is set to 'Auto' in the OSD menu (if accessible via DVR).
- Confirm sufficient power supply to the camera.

• Intermittent Picture Loss:

- Inspect video cables for damage or loose connections.
- Test with a different power supply or cable if possible.

SPECIFICATIONS

Model	B07MTVSN7D
Brand	Inwerang
Connectivity Technology	TVI/AHD/CVI/960H CVBS (4-in-1)
Video Capture Resolution	5 MP
Effective Still Resolution	5 MP
Lens Type	2.8-12mm Varifocal Lens
Night Vision Range	98 Feet (30 meters)
Number of IR LEDs	48
Waterproof Rating	IP66
Indoor/Outdoor Usage	Indoor, Outdoor
Enclosure Material	Aluminum
Power Source	12 Volts (6 watts)
Item Dimensions	4.6 x 4.6 x 3.9 inches
Item Weight	1.2 Pounds

HD Coaxial 5Megapixel Dome Camera



Lens ★ 4X(2.8-12mm) Manual Lens

Figure 7: Illustrates various resolution options, including Super HD 5MP (2560x1920).

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official Inwerang website. Ensure you have your product model number (B07MTVSN7D) ready when contacting support.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question