

EVERSECU B09H7D64D2

EVERSECU 5MP Auto-Cruise PTZ Security Camera User Manual

Model: B09H7D64D2

Brand: EVERSECU

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1. PRODUCT OVERVIEW

The EVERSECU 5MP Auto-Cruise PTZ Security Camera is a high-definition surveillance solution designed for both indoor and outdoor environments. This camera features a 5-megapixel sensor, 20X optical zoom, and comprehensive pan-tilt-zoom capabilities, offering a 360-degree field of view. It supports multiple video formats including TVI, AHD, CVI, and CVBS, ensuring compatibility with various DVR systems. Equipped with infrared night vision, it provides clear monitoring up to 263 feet in low-light conditions. Its IP66 waterproof rating ensures reliable performance in diverse weather conditions.



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Figure 1.1: The EVERSECU 5MP Auto-Cruise PTZ Security Camera, showcasing its dome design and included wall mount bracket.



Figure 1.2: Overview of the camera's dimensions and key features, including 5MP resolution, 20X optical zoom, pan & tilt functionality, DVR compatibility, 355-degree viewing, weatherproof design, day & night vision, vandal-proof construction, and 4-in-1 video output.

2. SETUP AND INSTALLATION

2.1 Package Contents

Before beginning installation, verify that all components are present:

- EVERSECU 5MP PTZ Security Camera
- Wall Mount Bracket
- Mounting Screws and Anchors
- Power Adapter (typically 12V DC)
- User Manual (this document)

2.2 Site Selection and Mounting

Choose a mounting location that provides the desired field of view and is within reach of power and video cables. The camera is IP66 rated, suitable for outdoor use. Ensure the mounting surface is strong enough to support the camera's

weight (approximately 4.41 pounds).

1. Position the wall mount bracket at the desired location.
2. Mark the drilling points through the bracket's holes.
3. Drill pilot holes using an appropriate drill bit.
4. Insert wall anchors if mounting into drywall or masonry.
5. Secure the bracket to the wall using the provided screws.
6. Attach the camera to the mounted bracket, ensuring it is firmly secured.

2.3 Wiring Connections

This camera requires a coaxial cable for video transmission and an RS485 connection for PTZ control, in addition to power. A DVR that supports 5MP AHD/TVI/CVI video format and has an RS485 port is required.

- **Video Connection:** Connect a BNC coaxial cable from the camera's video output to a compatible input on your DVR. The camera supports TVI, AHD, CVI, and CVBS formats. The default video signal is 1080P AHD, which can be adjusted via the OSD menu.
- **PTZ Control (RS485):** Connect the RS485 (+/-) wires from the camera to the RS485 port on your DVR or PTZ controller. Ensure correct polarity.
- **Power Connection:** Connect the 12V DC power adapter to the camera's power input. It is crucial to use a robust power supply (e.g., 12V 4A) and minimize cable length between the power supply and the camera to prevent power loss, especially when IR lights are active.

TVI/AHD/CVI/960H 4-in-1 Camera

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



Figure 2.1: Illustration of the camera's 4-in-1 video output capabilities, supporting TVI, AHD, CVI, and CVBS formats for broad compatibility with various DVR systems.

3. OPERATION

3.1 Pan, Tilt, and Zoom (PTZ) Control

The camera offers extensive PTZ capabilities, allowing for dynamic surveillance coverage.

- **Pan:** Endless 360° horizontal rotation.
- **Tilt:** 90° vertical rotation.
- **Zoom:** 20X optical zoom for detailed viewing of distant objects.

Control is typically performed via your DVR's PTZ interface or a dedicated PTZ keyboard controller (e.g., ASIN: B08YVQ4XLC). Refer to your DVR's manual for specific PTZ control instructions.



Figure 3.1: Diagram illustrating the pan, tilt, and zoom movements of the camera, including 360-degree horizontal rotation and 90-degree vertical rotation.

3.2 Preset Points and Guard Tours

To automate surveillance, you can configure preset points and guard tours:

- **Preset Points:** Store up to 128 specific camera positions (pan, tilt, zoom levels) for quick recall.
- **Guard Tours (Pattern Scan):** Program the camera to automatically cycle through a sequence of preset points or defined paths. The camera supports 8 guard tours.

Consult your DVR or PTZ controller manual for detailed instructions on setting up and activating preset points and guard tours.

360° No Blind Viewing

128 Preset Points
8 Guard Tours



Figure 3.2: Visual representation of the camera's 360-degree no-blind viewing capability, highlighting the use of preset points to cover a large area effectively.

3.3 Night Vision

The camera is equipped with infrared (IR) LEDs for night vision, providing clear images up to 263 feet in complete darkness. The IR-Cut filter automatically switches between day and night modes based on ambient light conditions.

3.4 On-Screen Display (OSD) Menu

Access the OSD menu via your DVR's PTZ control interface to adjust various camera settings, including video format (TVI/AHD/CVI/CVBS), image parameters, and other advanced configurations.

Cover more area and see more detail with 5.0MP Resolution

The speed dome PTZ camera is equipped with an IR corrective, DC-driven varifocal zoom lens and a 1/2.8" CMOS progressive scan image sensor that delivers sharp, detailed 2592(H)x1944(V) (5.0MP) resolution full HD video at 30 frames per second (fps). Cover more area and see more detail. They are ideal where a greater level of detail is needed, such as for facial and license plate identification.

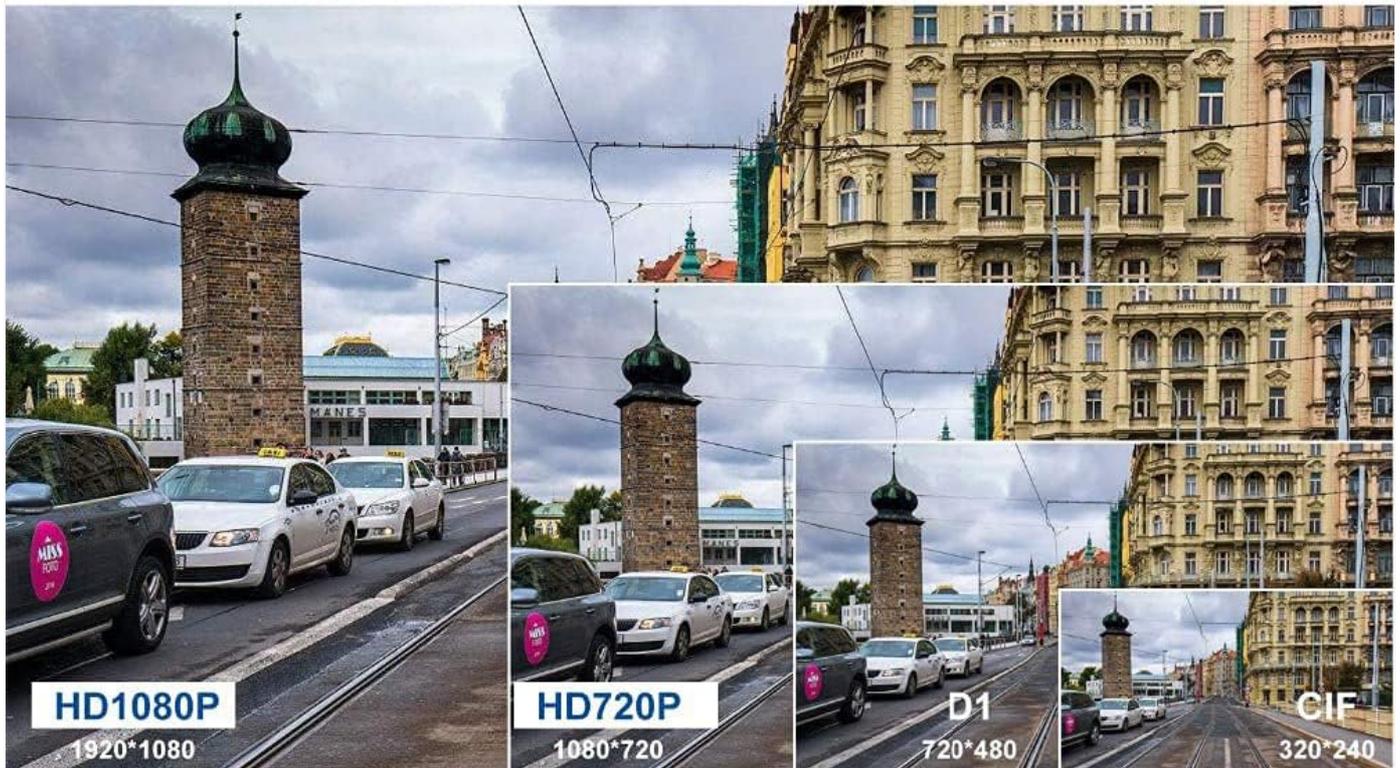


Figure 3.3: Comparison of video resolutions (HD1080P, HD720P, D1, CIF) demonstrating the superior detail captured by the 5.0MP resolution of the EVERSECU camera.

4. MAINTENANCE

4.1 Cleaning

Regular cleaning helps maintain optimal image quality and extends the camera's lifespan.

- Gently wipe the camera lens and dome cover with a soft, clean, lint-free cloth.
- For stubborn dirt, use a mild, non-abrasive cleaning solution specifically designed for optical lenses.
- Avoid using harsh chemicals, solvents, or abrasive materials that could scratch or damage the camera's surface.

4.2 Environmental Considerations

While the camera is IP66 waterproof, ensuring proper drainage around the installation area can prevent water accumulation. Periodically inspect cables and connections for signs of wear or damage, especially in outdoor installations.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video signal or black screen.	<ul style="list-style-type: none">Incorrect video format setting.Loose or faulty video cable (BNC).DVR incompatibility (e.g., 720P/960H DVR with 5MP camera).No power to the camera.	<ul style="list-style-type: none">Check OSD menu to ensure video format matches DVR (AHD/TVI/CVI/CVBS).Verify BNC cable connections and ensure cable integrity.Confirm DVR supports 5MP AHD/TVI/CVI.Check power adapter and connection.
PTZ controls are unresponsive.	<ul style="list-style-type: none">RS485 wiring incorrect or loose.Incorrect PTZ protocol or baud rate set on DVR.Insufficient power supply.	<ul style="list-style-type: none">Verify RS485 (+/-) connections.Ensure DVR PTZ settings match camera (e.g., Pelco-D protocol, correct baud rate).Use a dedicated 12V 4A power supply and minimize cable length.
Night vision issues (freezing, shutting off, poor quality).	<ul style="list-style-type: none">Insufficient power when IR LEDs activate.IR LEDs malfunction.	<ul style="list-style-type: none">Ensure adequate power supply (12V 4A recommended) and short power cable run.Contact customer support if IR LEDs appear faulty.
Picture breakup or loss of focus during PTZ movement.	<ul style="list-style-type: none">Under-powering the camera.Poor quality or damaged video cable.	<ul style="list-style-type: none">Verify power supply and connections.Inspect and replace video cables if necessary.

6. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	EVERSECU
Model	B09H7D64D2
Video Capture Resolution	5 MP (2592x1944)
Optical Zoom	20X
Pan Range	360 Degrees (Endless)
Tilt Range	90 Degrees
Night Vision Range	Up to 263 ft (80m)
Video Output Formats	TVI/AHD/CVI/CVBS (4-in-1)
Connectivity Technology	Wired (Coaxial, RS485)
Power Source	Corded Electric (12 Volts, 25 watts)
International Protection Rating	IP66 (Waterproof)

Feature	Detail
Mounting Type	Wall Mount
Item Weight	4.41 pounds
Package Dimensions	12.17 x 7.8 x 6.78 inches
UPC	778299332989
Date First Available	February 12, 2019

7. WARRANTY AND SUPPORT

7.1 Product Warranty

Specific warranty details for the EVERSECU 5MP Auto-Cruise PTZ Security Camera are typically provided with the product packaging or can be obtained directly from the manufacturer. It is recommended to retain your proof of purchase for warranty claims. Extended protection plans may also be available from retailers.

7.2 Customer Support

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

Note: No official seller videos were available for embedding in this manual.

