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› CUMCITIN AM3128B 1080P 4-in-1 Analog CCTV Security Dome Camera User Manual

CUMCITIN AM3128B

CUMCITIN AM3128B 1080P 4-in-1 Analog CCTV Security Dome Camera User Manual

Model: AM3128B | Brand: CUMCITIN

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INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your CUMCITIN AM3128B 1080P 4-in-1 Analog CCTV Security Dome Camera. Please read this manual thoroughly before use to ensure proper functionality and safety.



Figure 1: CUMCITIN AM3128B 1080P 4-in-1 Analog CCTV Security Dome Camera. This image shows the grey dome camera with its lens, IR LEDs, and connection cables.

SETUP

Package Contents

Verify that all items are present in your package:

- Dome Camera
- Mounting Screw
- Installation Sticker
- User Manual

Physical Installation

The CUMCITIN AM3128B camera is designed for both indoor and outdoor use, featuring an IP66 weatherproof metal housing. It is suitable for ceiling mount installation. Use the provided mounting screws and installation sticker to secure the camera in your desired location.

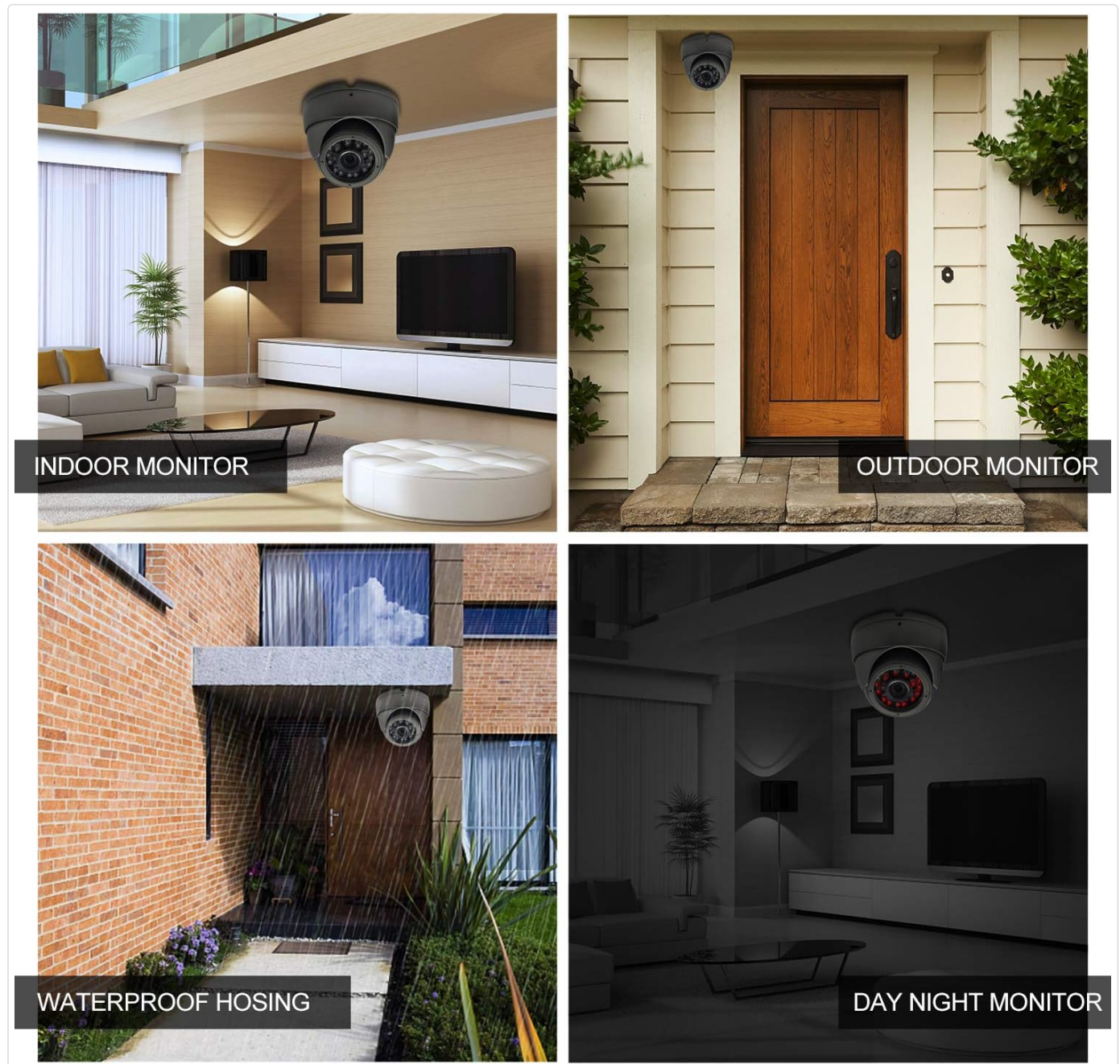


Figure 2: Examples of indoor and outdoor monitoring with the CUMCITIN dome camera, highlighting its weatherproof housing.

Wiring and Connectivity

This camera uses a wired connection and requires a DC 12V power adapter. Connect the camera's video output to your Digital Video Recorder (DVR) using a coaxial cable. Ensure all connections are secure.

Video 1: This video demonstrates the wiring process for the 4-in-1 Analog Camera, showing how to connect it to a DVR and power source.

Video Output Mode Selection

The camera supports four video output modes: 1080P AHD, 1080P CVI, 1080P TVI, and 960H analog (CVBS). The default video output is 1080P TVI. To switch between modes, locate the DIP switch on the camera's cable and adjust it according to your DVR's supported signal type. Ensure your DVR supports 1080p TVI/CVI/AHD video signals for HD modes. 960H Analog (CVBS) is a lower definition signal.



Figure 3: Detailed view of the camera's connections, including the DIP switch for video mode selection, 12V power input, and video output.



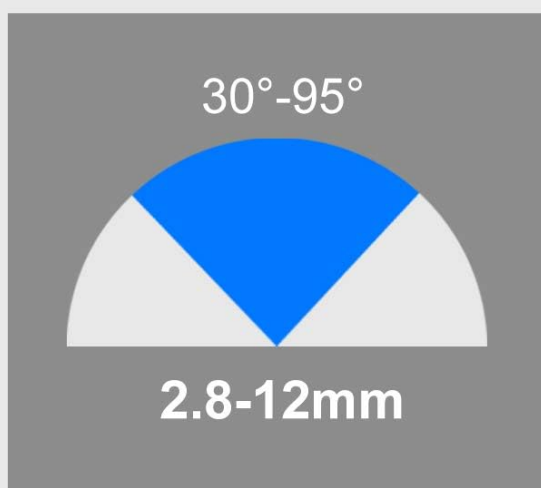
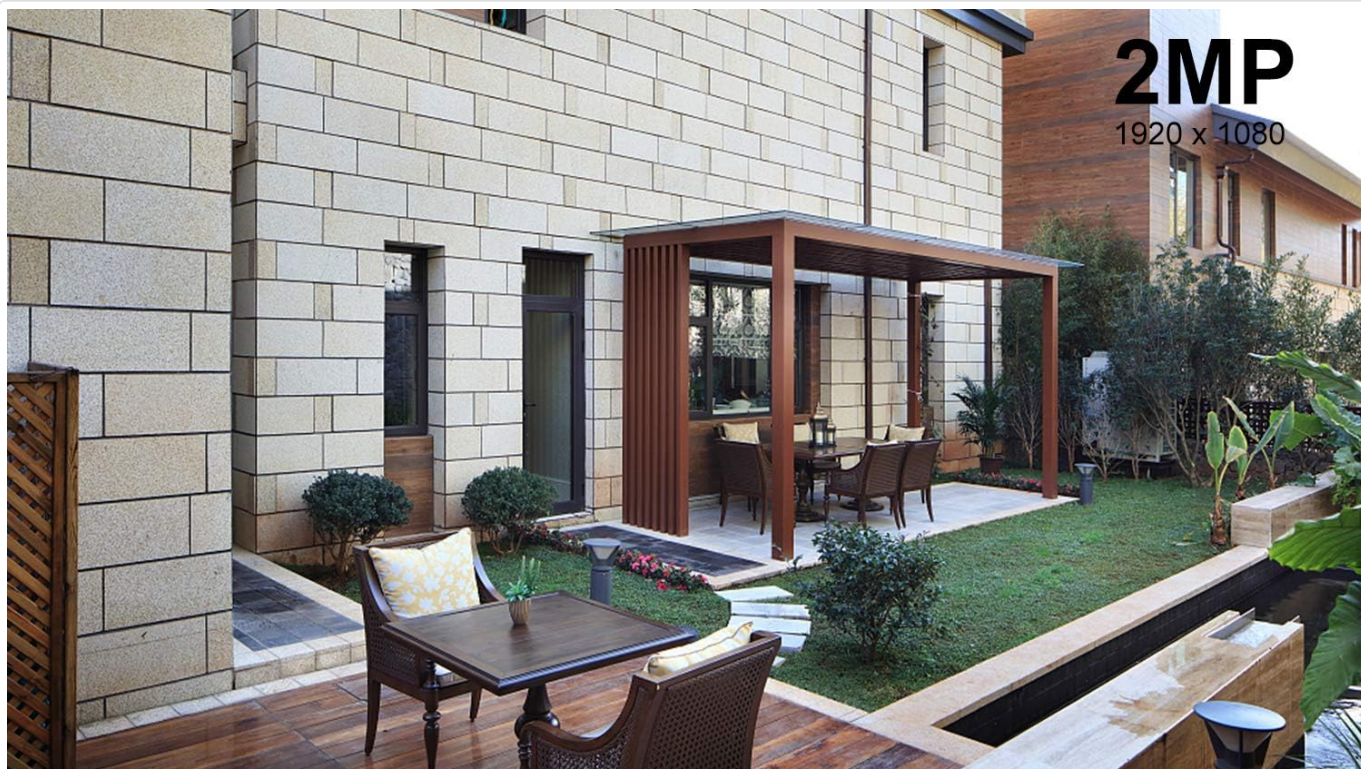
Figure 4: Illustration showing the camera's compatibility with 960H Analog/CVBS, TVI, CVI, and AHD DVRs, along with the DIP switch settings for each mode.

Video 2: This video demonstrates how to change the video output mode of the camera using the DIP switches.

OPERATING

Zoom and Focus Adjustment

The camera features a 2.8mm-12mm manual focus/zoom varifocal lens. To adjust the zoom and focus, carefully rotate the corresponding rings on the camera lens until the desired field of view and image clarity are achieved. Zooming in is typically counter-clockwise, and zooming out is clockwise. Focus adjustment makes the video/image clear.



View angle with 2.8-12mm lens

Figure 5: Diagram illustrating the adjustable viewing angle (30°-95°) provided by the 2.8-12mm varifocal lens.

Video 3: This video provides instructions on how to manually adjust the zoom and focus of the camera lens.

OSD Menu Access

To access the On-Screen Display (OSD) menu for advanced settings, you must use your DVR's UTC (Up The Coax) function. If your DVR does not support UTC, you will not be able to call the OSD menu. Consult your DVR's manual or the DVR seller to confirm UTC function support.

Video 4: This video demonstrates how to access the OSD menu through a DVR, using a Hikvision DVR as an example.

Day and Night Monitoring

The camera features 36 powerful IR LEDs for night vision up to 100ft, ensuring clear monitoring in low-light conditions. True Day & Night functionality with ICR (IR Cut Filter) provides accurate color reproduction during the day and switches to black and white for enhanced night vision.



Figure 6: Comparison image showing the camera's clear color vision during the day and effective night vision with IR LEDs.

MAINTENANCE

The camera's IP66 weather-rated metal housing provides protection against dust and harsh weather conditions. Regularly inspect the camera and its connections for any signs of wear or damage. Clean the lens periodically with a soft, dry cloth to ensure optimal image clarity. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

No Video or IR LEDs Not Working at Night

Ensure you are using a DC 12V 1A power adapter. If issues persist, try using a DC 12V 2A (or higher) power adapter, as power cable length and quality can affect performance.

Black and White Image Cannot Switch to Color in Daytime

This issue can also be related to insufficient power. Please use a DC 12V 2A (or higher) power adapter to ensure the camera receives adequate power for proper day/night mode switching.

Image is Not Clear or Out of Focus

Adjust the manual focus and zoom rings on the camera lens until the image becomes clear. Refer to the "Zoom and Focus Adjustment" section for detailed instructions.

Incompatible Video Signal

Verify that the camera's video output mode (TVI, AHD, CVI, or CVBS) matches the input signal supported by your DVR. Adjust the DIP switches on the camera cable as needed. Note that 1080P HD modes (TVI, AHD, CVI) are not compatible with 720P or 960P DVRs, nor with SDI DVRs.

SPECIFICATIONS

Model Number	AM3128B
Video Capture Resolution	1080p (2.0 Megapixel)
Video Output Modes	1080P AHD, 1080P CVI, 1080P TVI, 960H Analog (CVBS)
Lens	2.8mm-12mm Manual Focus/Zoom Varifocal
Viewing Angle	30 - 95 Degrees
Night Vision	36 IR LEDs, up to 100 feet
Day/Night Function	True Day & Night with ICR
Sensor	1/2.9" Color CMOS
Power Source	DC 12V (1A or higher recommended)
Connectivity	Wired (Coaxial)
Housing Material	Metal
Weather Resistance	IP66 Waterproof
Mounting Type	Ceiling Mount
Dimensions (L x W x H)	4.65 x 4.65 x 3.54 inches
Item Weight	1.48 pounds

WARRANTY AND SUPPORT

For warranty information or technical support, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific warranty terms and contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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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