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HIKVISION DS-2CE10DF0T-PF

HIKVISION 2MP ColorVu Bullet Camera User Manual

Model: DS-2CE10DF0T-PF

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your HIKVISION 2MP ColorVu Bullet Camera (Model: DS-2CE10DF0T-PF). Please read this manual thoroughly before using the product to ensure proper and safe operation.

1.1 Product Overview

The HIKVISION 2MP ColorVu Bullet Camera is a high-performance surveillance camera designed for both indoor and outdoor use. It features advanced ColorVu technology, providing 24/7 full-color imaging even in ultra-low light conditions.



Figure 1.1: HIKVISION 2MP ColorVu Bullet Camera with packaging.



Figure 1.2: Front view of the HIKVISION 2MP ColorVu Bullet Camera.

1.2 Key Features

- **2 MP Full HD Resolution:** Provides clear and detailed 1080p video.
- **ColorVu Technology:** Enables 24/7 color imaging with F1.0 aperture for bright night vision.
- **White Light Distance:** Up to 20 meters white light distance for enhanced night imaging.
- **Multi-Signal Output:** One port for four switchable signals (TVI/AHD/CVI/CVBS) for broad compatibility.

- **Weatherproof Design:** IP67 rated for water and dust resistance, suitable for outdoor use.
- **Motion Detection:** Integrated motion detection capabilities for enhanced security.
- **Wired Connectivity:** Ensures stable and reliable video transmission.

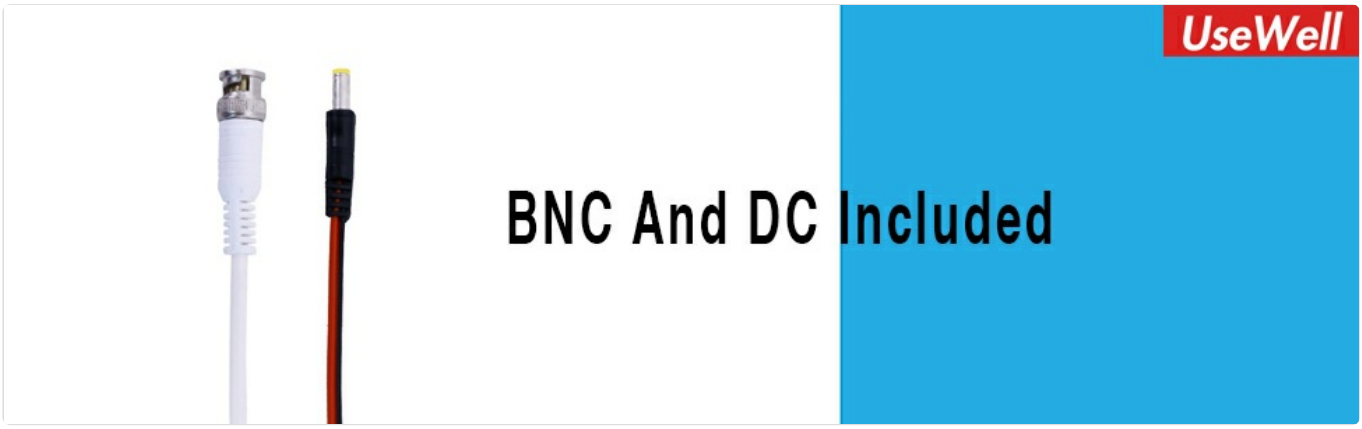


Figure 1.3: Key features of the HIKVISION ColorVu Bullet Camera.

2. Package Contents

Please check the package contents upon unboxing. If any items are missing or damaged, contact your retailer immediately.

- HIKVISION 2MP ColorVu Bullet Camera (Model: DS-2CE10DF0T-PF)
- Mounting Screws
- *(Note: BNC and DC cables may be included depending on the specific package variant.)*



Figure 2.1: Product and packaging as received.

3. Setup and Installation

Follow these steps for proper installation and connection of your camera.

3.1 Important Compatibility Note

This camera is compatible with 2 MP TVI supporting DVR only. Ensure your Digital Video Recorder (DVR) meets this specification for optimal performance.



Figure 3.1: Compatibility requirement for the camera.

3.2 Mounting the Camera

1. Choose a suitable location for installation, considering the desired surveillance area and cable routing. The camera is designed for outdoor use (IP67 rated).
2. Use the provided mounting screws to securely attach the camera base to a wall or ceiling.
3. Adjust the camera's angle to cover the target area.



Figure 3.2: Example of camera mounting.

3.3 Connecting the Camera

1. Connect the video output cable (BNC connector) from the camera to the video input port on your compatible 2 MP TVI DVR.
2. Connect the power cable (DC connector) from the camera to a suitable 12V DC power supply. Ensure the power supply meets the camera's requirements.
3. Once connected, power on your DVR and monitor the video feed to confirm proper installation.

4. Operating the Camera

The HIKVISION ColorVu camera is designed for continuous surveillance with minimal user intervention after setup.

4.1 Basic Operation

- The camera provides a live video feed to your connected DVR.
- Recordings and playback are managed through your DVR system. Refer to your DVR's user manual for detailed instructions on recording, playback, and motion detection settings.

4.2 ColorVu Technology

The ColorVu feature ensures 24/7 full-color imaging, even in extremely low-light environments. This is achieved through a large F1.0 aperture and advanced sensor technology, complemented by a built-in warm white light illuminator that activates in complete darkness.



Figure 4.1: Comparison of conventional night vision vs. ColorVu night vision.

4.3 Signal Switching

The camera supports four switchable video signal outputs: TVI, AHD, CVI, and CVBS. This allows compatibility with various DVR systems. The signal type can typically be switched using a control button on the camera cable or via the DVR's OSD (On-Screen Display) menu, if supported. Refer to your DVR's manual for OSD control.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your camera.

- **Cleaning:** Periodically clean the camera lens and housing with a soft, dry cloth. For stubborn dirt, use a mild cleaning solution and a soft cloth, then wipe dry. Avoid abrasive cleaners or solvents.

- **Cable Inspection:** Regularly check all cables for any signs of wear, damage, or loose connections.
- **Firmware Updates:** Check the HIKVISION official website for any available firmware updates for your camera model. Firmware updates can improve performance and add new features.

6. Troubleshooting

If you encounter issues with your camera, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No video output / Black screen	Power supply issue Loose cable connection Incompatible DVR Incorrect signal mode	Ensure power adapter is connected and functional. Check all BNC and power cable connections. Verify your DVR is a 2 MP TVI supporting model. Switch the camera's signal mode to match your DVR (TVI/AHD/CVI/CVBS).
Poor image quality / Blurry video	Dirty lens Improper focus (if adjustable) Cable interference	Clean the camera lens. Ensure cables are not near strong electromagnetic interference sources.
No color at night	Insufficient ambient light Warm light illuminator obstructed	Ensure there is some ambient light or the built-in warm light is not obstructed. Verify camera settings on DVR (if applicable) are not forcing black & white mode.

7. Specifications

Feature	Detail
Model Number	DS-2CE10DF0T-PF
Resolution	2 MP (1080p Full HD)
Aperture	F1.0
Night Vision	ColorVu (24/7 Color), up to 20m white light distance
Video Output	TVI/AHD/CVI/CVBS switchable
Ingress Protection	IP67 (Water and Dust Resistant)
Connectivity	Wired
Power Source	Corded Electric
Compatible Devices	Digital Video Recorder (2 MP TVI supporting DVR recommended)
Dimensions (LxWxH)	10 x 10 x 10 Centimeters
Weight	250 g
Recommended Uses	Home, Office, Shop, School, Stadium

8. Warranty and Support

For warranty information and technical support, please contact HIKVISION customer service or visit their official website. Keep your purchase receipt as proof of purchase.

Manufacturer: HIKVISION

Model: DS-2CE10DF0T-PF

For further assistance, refer to the contact information provided with your product or on the official HIKVISION website.

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