Tonton C2078XV5M

Tonton 5MP Hybrid 4-in-1 Bullet Camera Instruction Manual

Model: C2078XV5M

Image: The Tonton 5MP Hybrid 4-in-1 Bullet Camera, showcasing its design and form factor.

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Tonton 5MP Hybrid 4-in-1 Bullet Camera (Model C2078XV5M). Please read this manual thoroughly before using the product to ensure proper setup and functionality. Keep this manual for future reference.

PRODUCT FEATURES

- **Super HD Resolution:** Records at 2.5K (2592 × 1520 pixels), offering more than double the detail of 1080p. This allows for clearer images and enhanced digital zoom capabilities.
- **Wide Angle Lens:** Features a 90° angle lens, suitable for monitoring large areas or doorways.

- **Advanced Night Vision:** Provides clear visibility up to 150ft (46m) with ambient lighting or 100ft (31m) in complete darkness. Smart IR technology prevents over-exposure of close-up objects.

- **4-in-1 Video Output:** Supports TVI, AHD, CVI, and CVBS video formats, making it compatible with various DVR systems. The video output can be switched via an OSD button.

- **Durable Weatherproof Design:** Constructed with a metal IP66-rated housing, ensuring complete protection against dust and resistance to harsh weather conditions, including wind and rain. Operates effectively in temperatures ranging from -14°F to 140°F (-25°C to 60°C).

- **Easy Wired Connection:** Designed for straightforward BNC wired connection to a Super HD DVR (not included). Features a plug-and-play installation process.

PACKAGE CONTENTS

The Tonton 5MP Hybrid 4-in-1 Bullet Camera comes as a combo set. Please verify that all components are present upon unboxing.

- Tonton 5MP Hybrid 4-in-1 Bullet Camera

- Mounting Screws and Plugs

- (Note: DVR and power adapter/video cable may be included depending on the specific combo set purchased.)

SETUP AND INSTALLATION

1. Camera Placement

Select a suitable location for your camera, considering the desired viewing area and proximity to power and DVR connections. The camera's weatherproof design allows for both indoor and outdoor installation.

Image: The Tonton 5MP Bullet Camera shown from multiple perspectives, illustrating its compact design and adjustable mounting bracket.

2. Wiring Connection

The camera uses a BNC connection for video and a separate power connection. A single cable typically

splits into two heads at both ends for video and power.

1. Connect the "TO CAMERA" end of the video/power cable to the corresponding connections on the camera.

2. Connect the "TO DVR" end of the video cable (BNC connector) to a video input on your Super HD DVR.

3. Connect the power connector to an electrical outlet via a power adapter (if not integrated into the cable) or to a power splitter if using multiple cameras with a single adapter.
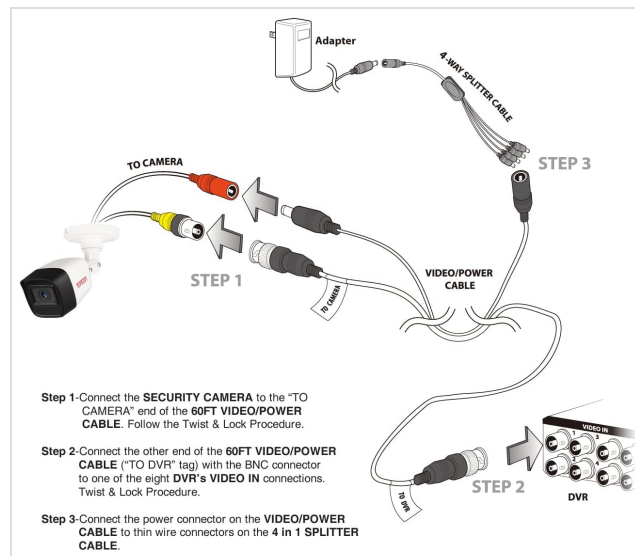

Image: A detailed diagram illustrating the three steps for connecting the security camera to a DVR and power source using a video/power cable and a 4-in-1 splitter cable.

3. Adjusting Video Output Mode

This 4-in-1 camera supports TVI, AHD, CVI, and CVBS video formats. You must adjust the camera's output mode to match your DVR's input type. Locate the OSD (On-Screen Display) switch or button on the camera's cable.

- Press and hold the OSD button for approximately 5 seconds to cycle through the available video output modes (TVI, AHD, CVI, CVBS).

- Release the button when the desired mode is selected. The camera will automatically adapt to the new setting.

Image: An illustration of the 4-in-1 video output 5MP camera, highlighting the OSD button on the cable used to switch between TVI, AHD, CVI, and CVBS video output modes.
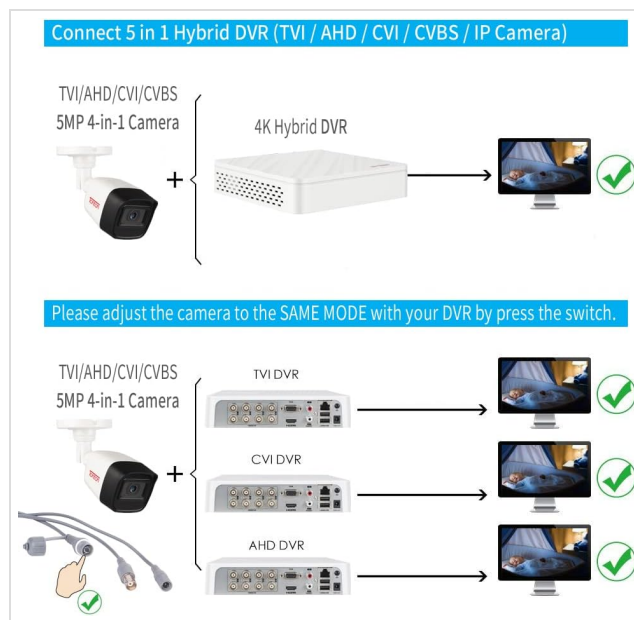
Image: A diagram demonstrating how to connect the 4-in-1 camera to various DVR types (TVI, CVI, AHD) by adjusting the camera's mode to match the DVR.

OPERATION

1. Viewing Live Feed and Recordings

Once connected to a compatible DVR, you can view the live camera feed and access recorded footage through your DVR's interface. Refer to your DVR's instruction manual for specific viewing and playback procedures.

2. High Definition Video

The camera provides a 2.5K (2592 x 1520) resolution, offering significantly more detail than standard 1080p cameras. This allows for clearer identification of objects and faces, even when digitally zoomed.

Image: A visual comparison demonstrating the superior detail and clarity of a 5MP image versus a 2MP image, highlighting the enhanced resolution of the Tonton camera.

4 in 1 Video Output 5MP Camera
(Switchable TVI/AHD/CVI/CVBS)

OSD Button

| Self-adapted | Press and hold the switch button for 5 seconds to switch the video output. Four kinds of video outputs are available: TVI, AHD, CVI, and CVBS. |

TVI Video Output   CVI Video Output   AHD Video Output   CVBS Video Output

Image: A side-by-side comparison of a snowy landscape, showing the difference in detail between a 5MP (2560x1944) resolution image and a 2MP (1920x1080) resolution image.

3. Night Vision

The camera automatically switches to night vision mode in low-light conditions. Smart IR technology adjusts the intensity of infrared LEDs to prevent over-exposure of objects close to the camera, ensuring balanced illumination.
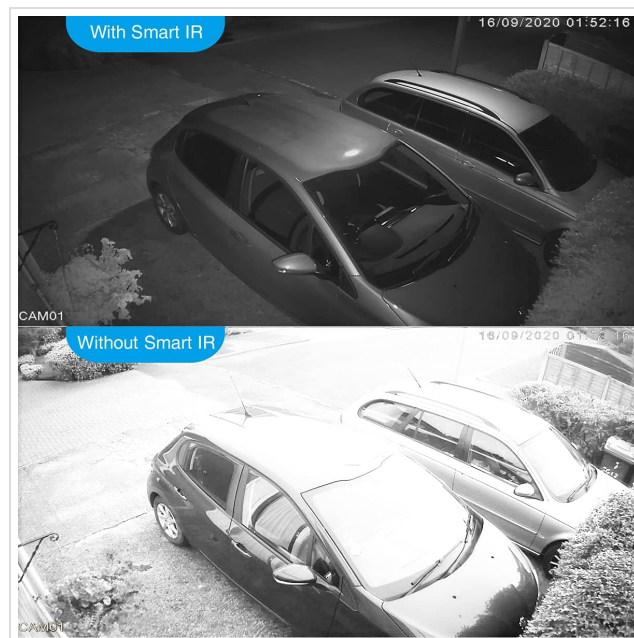

Image: A comparison of night vision footage, demonstrating the improved clarity and reduced over-exposure when Smart IR is active, compared to footage without Smart IR.

Image: A split image showing the same outdoor scene in both 5MP day vision (full color) and 5MP night vision (monochrome), illustrating the camera's capability in different lighting conditions.

4. Wide Dynamic Range (WDR)

The camera may feature Wide Dynamic Range (WDR) technology, which helps balance exposure in scenes with both very bright and very dark areas, ensuring details are visible across the entire image.

Image: A comparison of an outdoor scene with a house and pool, showing the difference in image clarity and exposure when Wide Dynamic Range (WDR) is enabled versus when it is off.

Maintenance

- **Cleaning:** Periodically clean the camera lens with a soft, damp cloth to remove dust and dirt that may obstruct the view. Avoid abrasive cleaners.

- **Weather Resistance:** The camera is IP66 rated, providing protection against dust and water jets. While designed for outdoor use, ensure the mounting area is secure and free from excessive debris buildup.

- **Temperature Range:** The camera is designed to operate in extreme temperatures from -14°F to 140°F (-25°C to 60°C). Ensure it is not exposed to conditions outside this range for prolonged periods.

Image: An illustration highlighting the Tonton camera's durability features, including weatherproof (IP66), cold resistance, anti-lightning, and heat resistance, suitable for 24/7 viewing and recording.

Image: A four-panel collage demonstrating the camera's resilience against various environmental factors: cold resistance in a snowy environment, heat resistance in a sunny landscape, weatherproof in rain, and anti-lightning during a storm.

TROUBLESHOOTING

- **No Video Signal:**

    - Ensure the camera is properly powered.
    - Verify that the video cable is securely connected to both the camera and the DVR.
    - Check that the camera's video output mode (TVI/AHD/CVI/CVBS) matches your DVR's input settings. Adjust using the OSD button if necessary.
    - Test with a different video input port on the DVR or a different cable if available.

- **Poor Image Quality:**

    - Clean the camera lens.
    - Ensure the camera is securely mounted and not vibrating.
    - Check for obstructions in the camera's field of view.
    - Verify that the DVR is set to record at the camera's native 5MP resolution.

- **Night Vision Issues:**

    - Ensure there are no reflective surfaces close to the camera that could cause IR glare.
    - Check for obstructions blocking the infrared LEDs.

SPECIFICATIONS

Feature	Detail
Model Number	C2078XV5M
Resolution	5MP (2592 × 1520 pixels)
Video Output Modes	TVI, AHD, CVI, CVBS (Switchable)
Night Vision Range	Up to 100ft (31m) in total darkness, 150ft (46m) with ambient light
Lens Angle	90°

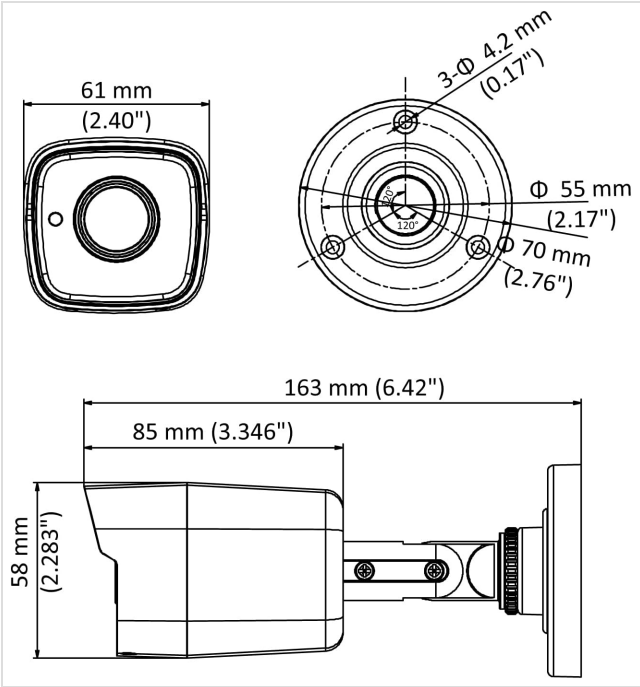| Weatherproof Rating	IP66 (Metal Housing)
Operating Temperature	-14°F to 140°F (-25°C to 60°C)
Product Dimensions	6.29 x 4.17 x 3.18 inches
Item Weight	8.1 ounces

Image: A technical drawing providing detailed dimensions of the Tonton bullet camera in both millimeters and inches, including front, top, and side views.

WARRANTY AND SUPPORT

For any questions, technical assistance, or warranty inquiries, please contact Tonton customer support:

- **Email:** sales@tontonsecurity.com (Replies within 10 hours)
- **WhatsApp:** +86 137-2786-5870
- **Online Store:** Visit the official Tonton store on Amazon for more products and support: Tonton Amazon Store

Image: A QR code labeled "SCAN ME TO GET SUPPORT" on a smartphone screen, indicating a quick way to access Tonton customer support.

Related Documents - C2078XV5M

	[Tonton Wireless Mini NVR User Manual](#) This user manual provides comprehensive instructions for setting up, configuring, and operating the Tonton Wireless Mini NVR system. It covers interface descriptions, hard disk installation, system connection, initial setup wizard, network configuration, date/time settings, storage management, password setup, app integration, menu navigation, recording settings, intelligent detection, video playback, video backup, adding IP cameras, and expanding wireless coverage.
	[IP/Network Camera Instruction Manual](#) Instruction manual for setting up and using an IP/Network Camera, covering connection, software installation, Wi-Fi settings, alarm management, and SD card recording.
	[Hyper Yo-Yo Accel: A Spinning Sport Comic Adventure](#) Dive into the exciting world of competitive yo-yoing with 'Hyper Yo-Yo Accel,' a special comic showcasing thrilling battles and incredible tricks. Follow the journey of passionate yo-yoers as they strive for recognition and push the limits of their skills.