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Maclean MCTV-516

Maclean MCTV-516 WiFi IP/IPC Surveillance Camera User Manual

1. INTRODUCTION AND OVERVIEW

The Maclean MCTV-516 WiFi IP/IPC Surveillance Camera is designed for reliable 24-hour monitoring. It features a high-resolution 1/2.5" CMOS sensor, ensuring clear image quality, and is equipped with infrared LEDs for effective night vision up to 25 meters. With an IP67 protection class, this camera is suitable for both indoor and outdoor environments, offering robust performance against various weather conditions. It is an ideal solution for securing homes, offices, warehouses, and construction sites. The camera is compatible with the Bitvision application, allowing for live surveillance from any location via your smartphone.

2. PACKAGE CONTENTS

Please verify that all components are present in the package before proceeding with installation.

- Maclean MCTV-516 WiFi IP Camera
- Installation Kit (screws, wall plugs, drill template, Allen key)

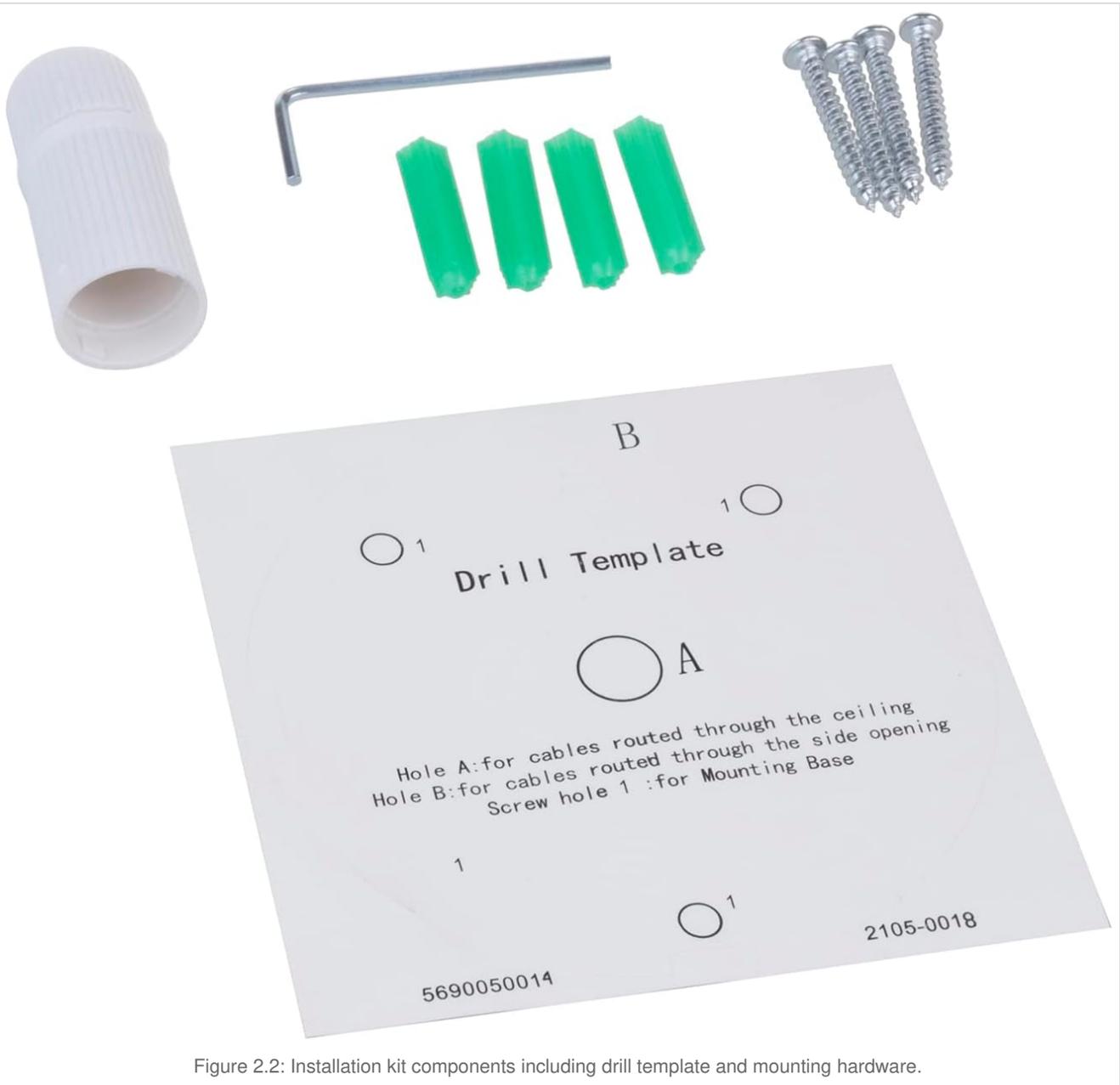


Figure 2.2: Installation kit components including drill template and mounting hardware.

3. SETUP

3.1 Mounting the Camera

1. **Choose a Location:** Select a suitable outdoor or indoor location for optimal surveillance coverage. Ensure the camera has a clear line of sight and is within range of your Wi-Fi network.
2. **Mark Drill Holes:** Use the provided drill template to mark the positions for the mounting screws on the wall or ceiling.
3. **Drill Holes:** Drill holes at the marked positions. Insert the wall plugs if mounting on masonry or concrete.
4. **Secure the Mounting Base:** Attach the camera's mounting base to the wall or ceiling using the provided screws.
5. **Attach the Camera:** Secure the camera body to the mounting base. Adjust the camera angle as needed.



Figure 3.1: Camera mounted on a wooden exterior wall.



Figure 3.2: Camera mounted on a concrete wall.

3.2 Connecting Power and Network

Connect the power adapter to the camera's power input and plug it into an electrical outlet. The camera supports Wi-Fi connectivity for network access. Ensure your Wi-Fi network is active and within range.



Figure 3.3: Camera connection cables.

3.3 App Installation and Configuration

Download the Bitvision application from your smartphone's app store (iOS or Android). Follow the in-app instructions to add your camera, connect it to your Wi-Fi network, and complete the initial setup. This typically involves scanning a QR code on the camera or manually entering its ID.

4. OPERATING THE CAMERA

4.1 Live Monitoring

Once the camera is successfully added to the Bitvision app, you can access live video feeds from your smartphone. The app allows you to view real-time footage, take snapshots, and record video.

4.2 Night Vision

The MCTV-516 camera automatically switches to night vision mode in low-light conditions, utilizing its infrared LEDs to provide clear black and white images up to 25 meters. This ensures continuous surveillance even in complete darkness.



Figure 4.1: Camera operating in low-light conditions with night vision.

4.3 Motion Detection and Alerts

Configure motion detection settings within the Bitvision app. When motion is detected, the camera can send alerts to your smartphone via email or app notifications, keeping you informed of any unusual activity.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your surveillance camera.

- **Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth to remove dust, dirt, or water spots that may obstruct the view. Do not use harsh chemicals.
- **Firmware Updates:** Check the Bitvision app or Maclean's official website for any available firmware updates. Keeping the camera's firmware updated ensures access to the latest features and security enhancements.
- **Cable Inspection:** Regularly inspect power and network cables for any signs of wear or damage, especially for outdoor installations.

6. TROUBLESHOOTING

If you encounter issues with your Maclean MCTV-516 camera, refer to the following common troubleshooting steps:

- **No Image/Offline:**

- Ensure the camera is properly powered on and the power adapter is securely connected.
- Verify your Wi-Fi network is active and the camera is within range.
- Restart the camera by disconnecting and reconnecting the power.
- Check your router settings to ensure the camera is not blocked.

- **Poor Image Quality:**

- Clean the camera lens.
- Ensure there are no obstructions in front of the lens.
- Check the camera's resolution settings in the Bitvision app.

- **Motion Detection Not Working:**

- Verify motion detection is enabled in the Bitvision app settings.
- Adjust motion sensitivity settings.
- Ensure notification permissions are granted for the Bitvision app on your smartphone.

- **Cannot Connect to Wi-Fi:**

- Ensure you are entering the correct Wi-Fi password.
- Move the camera closer to the Wi-Fi router to improve signal strength.
- If issues persist, try resetting the camera to factory defaults (refer to the product's specific reset procedure, usually a small button on the cable or camera body).

7. SPECIFICATIONS

Feature	Specification
Brand	Maclean
Model Name	MCTV-516
Mounting Type	Wall mount
Video Recording Resolution	5 MP
Color	White
Included Components	Maclean MCTV-516 WiFi IP Camera + installation kit
Wireless Communication Technology	Wi-Fi
Form Factor	Bullet (Outdoor)
Effective Video Resolution	1080p
Night Vision Range	25 Meters
Upper Rated Temperature	60 Degrees Celsius

Feature	Specification
Frame Rate	5MP@20fps, 4MP@25fps, 1080P@30fps
Material	Metal
Voltage	12 Volts
Power Consumption	3.5 Watts
Item Dimensions (L x W x H)	16 x 11 x 8 centimeters
Product Weight	452 grams
Special Features	Night vision, Motion detection
Indoor/Outdoor Use	Outdoor
Compatible Devices	Smartphone
Power Source	Electric cable
Connectivity Protocol	Wi-Fi
Controller Type	iOS
ASIN	B0BCW7N7GD
Date First Available	September 22, 2022
Country of Origin	China

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact your retailer. For technical support, product inquiries, or further assistance, please visit the official Maclean website or contact their customer service department. Keep your purchase receipt for warranty claims.