TSL LTCMIP7342W-28M

LTS LTCMIP7342W-28M Platinum Network Vandal Dome IP Camera User Manual

Model: LTCMIP7342W-28M

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your LTS LTCMIP7342W-28M Platinum Network Vandal Dome IP Camera. Please read this manual thoroughly before using the product to ensure proper setup and functionality. Keep this manual for future reference.

The LTS LTCMIP7342W-28M is a 4MP high-definition network vandal dome IP camera designed for robust surveillance applications. It features a 2.8mm fixed lens, True WDR (120dB), Matrix IR 2.0 with up to 100 feet range, and supports H.265/H.265+/H.264/H.264+ video compression. It is rated IP67 for weather resistance and IK10 for vandal resistance, making it suitable for outdoor use. The camera also includes a MicroSD slot supporting up to 128GB for local storage and can be powered by DC 12V or Power over Ethernet (PoE).

PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with installation.

- LTS LTCMIP7342W-28M Platinum Network Vandal Dome IP Camera
- Drill Template
- Mounting Screws and Wall Plugs
- Hex Wrench
- Waterproof Connector Kit
- Quick Start Guide (refer to this manual for detailed instructions)

Image: Contents of the camera package. This includes a drill template, mounting hardware (screws and wall plugs), a hex wrench for adjustments, and a waterproof connector kit for network cables. These components are essential for proper installation.

SETUP

1. Safety Precautions

- Ensure power is disconnected before installation or maintenance.
- Use only specified power adapters (DC 12V) or PoE (Power over Ethernet) compliant equipment.
- Avoid exposing the camera to extreme temperatures, humidity, or corrosive environments.
- Do not attempt to disassemble the camera. Refer all servicing to qualified personnel.
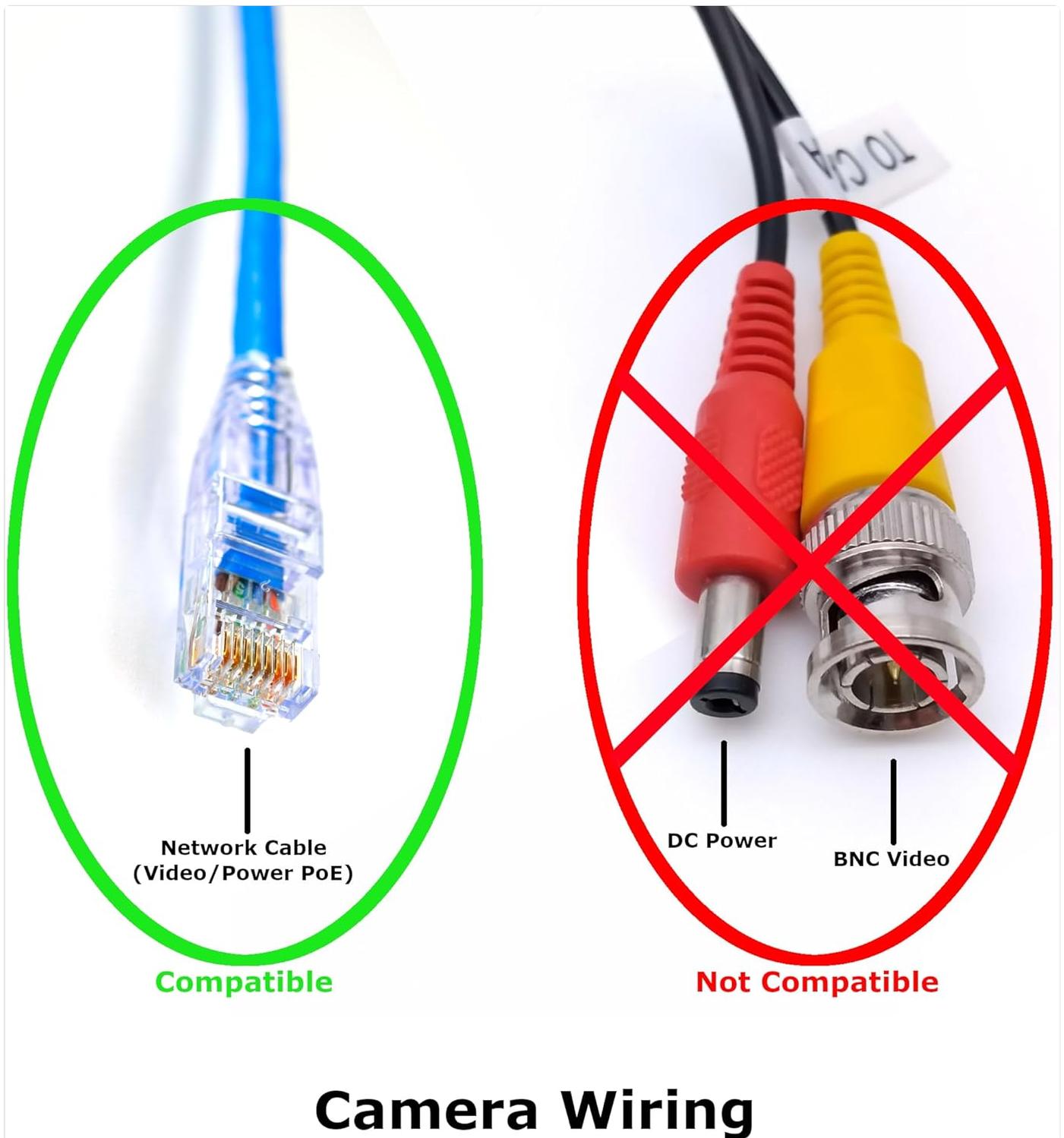
2. Camera Overview

Image: Front view of the LTS LTCMIP7342W-28M dome camera. This image shows the main body of the camera with its dome cover, indicating its compact and discreet design.

Image: Side view of the LTS LTCMIP7342W-28M dome camera, showing the attached cables for power and network connectivity. This view highlights the integrated cable management for installation.

3. Wiring and Connectivity

The LTCMIP7342W-28M camera primarily uses a network cable for both data and power (PoE). It is not compatible with traditional DC power and BNC video connections.

Camera Wiring

Image: This diagram illustrates the correct and incorrect wiring methods. On the left, a network cable (RJ45) is circled in green, indicating compatibility for both video and Power over Ethernet (PoE). On the right, DC power and BNC video connectors are circled in red, indicating they are not compatible with this camera model.

- **Network Connection:** Connect a standard Ethernet cable (Cat5e or Cat6) from the camera's RJ45 port to a PoE-enabled switch or NVR. If not using PoE, connect to a standard network switch and provide 12V DC power separately.
- **Power:** The camera supports Power over Ethernet (PoE) or a 12V DC power supply. Ensure the power source meets the camera's requirements.
- **Waterproof Connector:** Use the provided waterproof connector kit for outdoor installations to protect the RJ45 connection from moisture.

4. Mounting the Camera

1. **Prepare the Mounting Surface:** Choose a suitable location, typically a ceiling or wall, ensuring it can support the

camera's weight.

2. **Use the Drill Template:** Place the provided drill template on the desired mounting surface. Mark the positions for the mounting screws and cable routing hole.

3. **Drill Holes:** Drill pilot holes for the mounting screws (typically 5.5mm diameter for expansion screws) and a larger hole for cable routing, if necessary.

4. **Route Cables:** Pass the network cable through the cable routing hole.

5. **Secure the Camera Base:** Align the camera base with the drilled holes and secure it using the provided mounting screws and wall plugs.

6. **Adjust Camera Angle:** Loosen the adjustment screws (if applicable) to position the camera lens for the desired viewing angle. Tighten the screws once adjusted.

OPERATING

1. Initial Power-Up and Network Configuration

- After connecting the camera to power and the network, it will boot up. This may take a few minutes.
- Use the manufacturer's IP search tool (e.g., SADP Tool) to discover the camera's IP address on your network.
- Access the camera's web interface by entering its IP address into a web browser.
- Follow the on-screen prompts to set a strong password for the camera (if it's a new installation or reset).
- Configure network settings (IP address, subnet mask, gateway, DNS) as required by your network infrastructure.

2. Video Settings

- **Resolution:** The camera supports up to 4MP (2560x1440) resolution at 30 frames per second. Adjust as needed for bandwidth and storage considerations.
- **Compression:** Utilize H.265+ or H.265 for efficient video storage and bandwidth usage. H.264+ and H.264 are also supported.
- **WDR (Wide Dynamic Range):** Enable True WDR (120dB) in challenging lighting conditions to balance bright and dark areas in the image.
- **Night Vision:** The camera features Matrix IR 2.0 with a range up to 100 feet. IR LEDs automatically activate in low light.

3. Recording and Storage

- **NVR Recording:** Connect the camera to a compatible Network Video Recorder (NVR) for continuous or event-based recording.
- **MicroSD Card:** Insert a MicroSD card (up to 128GB) into the camera's slot for local storage. Configure recording schedules and event triggers via the web interface.
- **Motion Detection:** Set up motion detection zones and sensitivity to trigger recordings or alerts.

4. Remote Access

For remote viewing, configure port forwarding on your router or use a P2P/Cloud service provided by the manufacturer (if available) to access the camera feed via a mobile app or client software.

MAINTENANCE

- **Lens Cleaning:** Periodically clean the camera lens and dome cover with a soft, damp cloth. Avoid abrasive cleaners that could scratch the surface.
- **Firmware Updates:** Check the manufacturer's website for firmware updates to ensure optimal performance and

security. Follow update instructions carefully.

- **Cable Inspection:** Regularly inspect all cables and connections for signs of wear or damage, especially in outdoor installations.
- **Environmental Checks:** Ensure the camera's environment remains within its specified operating temperature and humidity ranges.
- **Password Management:** Change passwords regularly and use strong, unique passwords for enhanced security.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No image/video feed	No power; Network cable disconnected; Incorrect IP address; Camera malfunction.	Check power supply/PoE connection; Verify network cable is securely connected; Use IP search tool to find camera; Contact technical support if malfunction suspected.
Poor image quality	Dirty lens/dome; Low light conditions; Incorrect video settings; Network bandwidth issues.	Clean lens/dome; Ensure IR is active in low light; Adjust resolution, WDR, and other image settings; Check network connection speed.
Cannot access camera remotely	Incorrect port forwarding; Firewall blocking access; Dynamic IP address changed; P2P/Cloud service offline.	Verify router port forwarding rules; Check firewall settings on router/NVR; Use DDNS service for dynamic IPs; Check status of P2P/Cloud service.
SD card not recording	SD card full or faulty; Incorrect recording schedule; SD card not formatted.	Check SD card status and remaining space; Format SD card via camera interface; Verify recording schedule and event triggers.

SPECIFICATIONS

Feature	Detail
Model	LTCMIP7342W-28M
Video Capture Resolution	4 MP (2560x1440)
Frame Rate	30 fps
Lens	2.8mm Fixed Lens
WDR	True WDR 120dB
IR Range	Up to 100 feet (Matrix IR 2.0)
Minimum Illumination	0.018 Lux @ F1.6
Video Compression	H.265, H.265+, H.264, H.264+
Storage	MicroSD Slot (up to 128GB)
Power Supply	DC 12V, PoE (802.3af)
Ingress Protection	IP67

Feature	Detail
Vandal Resistance	IK10
Connectivity Technology	Wired (Ethernet)
Mounting Type	Ceiling Mount
Operating Temperature	(Refer to manufacturer's full datasheet for exact range)
Dimensions	Approx. 7 x 7 x 7 inches (Package Dimensions)
Weight	Approx. 2.5 pounds

WARRANTY AND SUPPORT

For warranty information, technical support, and service inquiries, please contact your authorized TSL dealer or visit the official TSL website. Keep your purchase receipt as proof of purchase for warranty claims.
Manufacturer: LTS
Brand: TSL