

Urmet 1098/858

Urmet 1098/858 IP 5M NVR Kit with 8-Channel 4K PoE Instruction Manual

Model: **1098/858** | Brand: **Urmet**

1. INTRODUCTION

This Urmet 1098/858 IP 5M NVR Kit is a comprehensive video surveillance system designed to protect your property and ensure the safety of its occupants. The kit includes an 8-channel 4K PoE Network Video Recorder (NVR) and two 5-megapixel IP bullet cameras, enabling real-time monitoring and recording.

Utilizing IP technology, this system offers enhanced flexibility and versatility compared to traditional surveillance setups. Cameras can be installed in various locations, and the system supports remote monitoring from compatible devices.

Key features include 4K video resolution, a 5-meter night vision range, autofocus (AF) functionality for clear imaging, and H.265 video compression for efficient data storage and transmission. The kit also provides essential accessories such as junction boxes for tidy installation and a privacy sign.



Figure 1: Urmet 1098/858 IP 5M NVR Kit components. This image displays the main components of the surveillance kit, including the NVR unit and two bullet-style IP cameras.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and operation.
- Ensure the power supply voltage matches the specified requirements for the NVR.
- Do not expose the NVR or cameras to water, moisture, or extreme temperatures.
- Avoid placing the NVR in areas with poor ventilation.
- Use only Urmet-approved accessories and power adapters.
- Installation should be performed by qualified personnel, especially for outdoor wiring.
- Disconnect power before performing any maintenance or cleaning.
- Observe local regulations regarding video surveillance and privacy.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1x Urmet 1098/328P 4K 8-Channel H.265 PoE NVR
- 2x Urmet 1099/501A 5MP IP Bullet Cameras (2.7-13.5mm AF varifocal lens)
- 2x Urmet 3000/108 Small Size Junction Boxes

- 1x Urmet 3000/84 Privacy Sign
- 1x Power Adapter for NVR
- 1x USB Mouse
- Mounting Hardware (screws, wall plugs)
- Quick Start Guide (this document serves as the full manual)

4. SETUP

4.1 NVR Installation

1. **Placement:** Choose a secure, well-ventilated location for the NVR, away from direct sunlight, heat sources, and moisture.
2. **Connect Monitor:** Connect a monitor to the NVR's HDMI or VGA output port.
3. **Connect Mouse:** Plug the included USB mouse into a USB port on the NVR.
4. **Network Connection:** Connect the NVR to your local network using an Ethernet cable. This is required for remote access and firmware updates.
5. **Power On:** Connect the power adapter to the NVR and then to a power outlet. The NVR will start automatically.

4.2 Camera Installation

1. **Mounting Location:** Select appropriate locations for the bullet cameras, considering the desired field of view and protection from environmental elements.
2. **Mounting:** Use the provided mounting hardware to securely attach the cameras to a wall or ceiling.
3. **Wiring:** Connect each camera to one of the NVR's PoE (Power over Ethernet) ports using an Ethernet cable. The NVR will provide both power and data connectivity.
4. **Junction Box:** For outdoor installations, use the Urmet 3000/108 junction boxes to protect cable connections from weather and tampering. Mount the junction box first, then route the camera cable through it.
5. **Adjusting Lens:** The 1099/501A cameras feature a varifocal lens (2.7-13.5mm) with autofocus. After initial power-up, access the camera settings via the NVR interface to adjust the zoom and focus for optimal clarity.

4.3 Initial NVR Configuration

1. **First Boot:** Upon first power-up, the NVR will guide you through an initial setup wizard.
2. **Password Setup:** Create a strong administrator password for the NVR. This is crucial for security.
3. **Network Settings:** Configure network settings (DHCP or static IP). Ensure the NVR has internet access for remote viewing and updates.
4. **Date and Time:** Set the correct date, time, and time zone.
5. **Hard Drive Initialization:** If a new hard drive is installed, the NVR will prompt you to initialize or format it for recording.
6. **Camera Detection:** The NVR should automatically detect and add the connected PoE cameras. If not, refer to the troubleshooting section or manually add cameras via the NVR's camera management menu.

5. OPERATING

5.1 Live View

After setup, the NVR will display the live video feeds from all connected cameras on the monitor. You can switch between single-camera view, multi-camera grid view, and other display modes using the NVR's on-screen menu and mouse.

5.2 Recording

- **Continuous Recording:** The NVR is configured for continuous recording by default, capturing footage 24/7.
- **Motion Detection Recording:** You can configure specific cameras to record only when motion is detected. This saves storage space and makes reviewing footage more efficient. Set up motion detection zones and sensitivity in the NVR's recording settings.
- **Scheduled Recording:** Define specific time schedules for recording, combining continuous and motion-triggered modes as needed.

5.3 Playback

To review recorded footage:

1. From the NVR's main menu, select "Playback."
2. Choose the desired camera(s) and date.
3. Use the timeline to navigate through recorded events. You can fast-forward, rewind, and pause playback.
4. Export specific video clips to a USB drive if needed.

5.4 Remote Monitoring

The Urmet NVR supports remote viewing via a mobile application or PC software. Refer to the specific Urmet software documentation for detailed instructions on setting up remote access, which typically involves:

- Downloading the official Urmet app/software.
- Registering an account.
- Adding the NVR to your account using its serial number or QR code.
- Ensuring the NVR has a stable internet connection.

5.5 System Settings

The NVR's main menu provides access to various system settings, including:

- **General Settings:** Date/time, language, display resolution.
- **Network Settings:** IP address, port forwarding (if required for advanced setups).
- **User Management:** Create and manage user accounts with different access privileges.
- **Storage Management:** Monitor hard drive status, configure overwrite settings.
- **Event Management:** Configure alarms, notifications (e.g., email alerts for motion detection).

6. MAINTENANCE

6.1 Cleaning

- **Cameras:** Periodically clean the camera lenses with a soft, dry cloth to remove dust, dirt, or water spots

that may impair image quality. Do not use harsh chemicals.

- **NVR:** Keep the NVR unit free of dust. Use a soft brush or compressed air to clean ventilation openings to prevent overheating.

6.2 Firmware Updates

Urmet may release firmware updates to improve system performance, add features, or address security vulnerabilities. It is recommended to check for and apply updates periodically:

1. Access the NVR's system settings and look for a "Firmware Update" or "System Upgrade" option.
2. Ensure the NVR has a stable internet connection during the update process.
3. Follow the on-screen instructions carefully. Do not power off the NVR during an update.

6.3 Storage Management

Regularly check the status of the hard drive(s) in the NVR via the storage management settings. Ensure there is sufficient space for recording, and verify that the overwrite function is enabled if you wish for older footage to be automatically deleted to make space for new recordings.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video signal on monitor	NVR not powered on. Monitor cable loose or faulty. Incorrect monitor input selected.	Check NVR power connection and indicator lights. Ensure HDMI/VGA cable is securely connected. Try a different cable. Select the correct input source on your monitor.
Cameras not displaying video	Camera not powered (PoE issue). Ethernet cable faulty or disconnected. Camera not added/configured on NVR.	Check PoE port status on NVR. Ensure cable is connected. Test with a known good Ethernet cable. Go to NVR camera management and try to re-add or search for cameras.
Remote access not working	NVR not connected to internet. Incorrect network settings. App/software not configured correctly.	Verify NVR network cable and internet connectivity. Check NVR network settings (IP, DNS). Re-check app/software setup steps, ensuring NVR is correctly added.
Poor image quality / blurry image	Dirty camera lens. Incorrect focus adjustment. Insufficient lighting at night.	Clean the camera lens with a soft cloth. Adjust the varifocal lens and autofocus via the NVR interface. Ensure night vision (IR) is enabled and not obstructed.

8. SPECIFICATIONS

Feature	Detail
Brand	Urmet
Model Number	1098/858
Manufacturer	URMET
Connectivity Technology	Wired (PoE)
Video Capture Resolution	4K
Special Features	H.265, AF (Autofocus), Remote Monitoring
Number of Channels	8
Storage Capacity	2 TB (Internal HDD)
Compatible Devices	IP Cameras
Camera Type	Bullet (Front)
Night Vision Range	5 Meters
Frame Rate	25 fps
Recording Mode	Continuous
Hardware Interface	Ethernet
Lens Type	Varifocal (2.7-13.5mm on cameras)
Supported Video Input	VGA, HDMI
Signal Format	Digital
Optical Sensor Technology	CMOS with Starlight
Item Weight	7.2 Kilograms
Country of Origin	Italy

9. WARRANTY AND SUPPORT

This Urmet product is covered by a standard manufacturer's warranty. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims.

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Urmet customer support through their official website or the contact information provided with your purchase.