

Zmodo ZS-2004-B-1TB

Zmodo Full HD 1080p Simplified PoE Security Camera System User Manual

Brand: Zmodo | Model: ZS-2004-B-1TB

PRODUCT OVERVIEW

The Zmodo Full HD 1080p Simplified PoE Security Camera System provides comprehensive surveillance for your property. This system includes an 8-channel NVR, a sPoE repeater, a 1TB hard drive, and four 1080p IP network cameras. Designed for ease of installation and reliable performance, it offers features such as simplified Power over Ethernet (PoE), 1080p Full HD video, intelligent recording, and remote viewing capabilities.



Image: Overview of the Zmodo Full HD 1080p Simplified PoE Security Camera System, showcasing the four IP cameras, the NVR unit, the

sPoE repeater, and the included 1TB hard drive.

Package Contents

- 1 x 8 Channel Security NVR
- 1 x 19V 1.5A sPoE Repeater
- 1 x 1TB Hard Drive (Pre-installed in the NVR)
- 4 x Zmodo 1080P IP Network Camera
- 1 x 12V 2A NVR Power Supply
- 1 x 8M (26ft) CAT5e Network Cable
- 1 x 1M (3ft) CAT5e Network Cable
- 2 x 15M (50ft) Camera Cable
- 2 x 30M (98ft) Camera Cable
- 1 x Quick User Guide



Image: A complete view of all items included in the Zmodo security camera system package, including cameras, NVR, repeater, cables, power supply, and hard drive.

Simplified PoE Connection

The Simplified Power over Ethernet (sPoE) design allows for a single cable to transmit both data and power to the IP cameras, simplifying installation. The repeater facilitates flexible installation options.

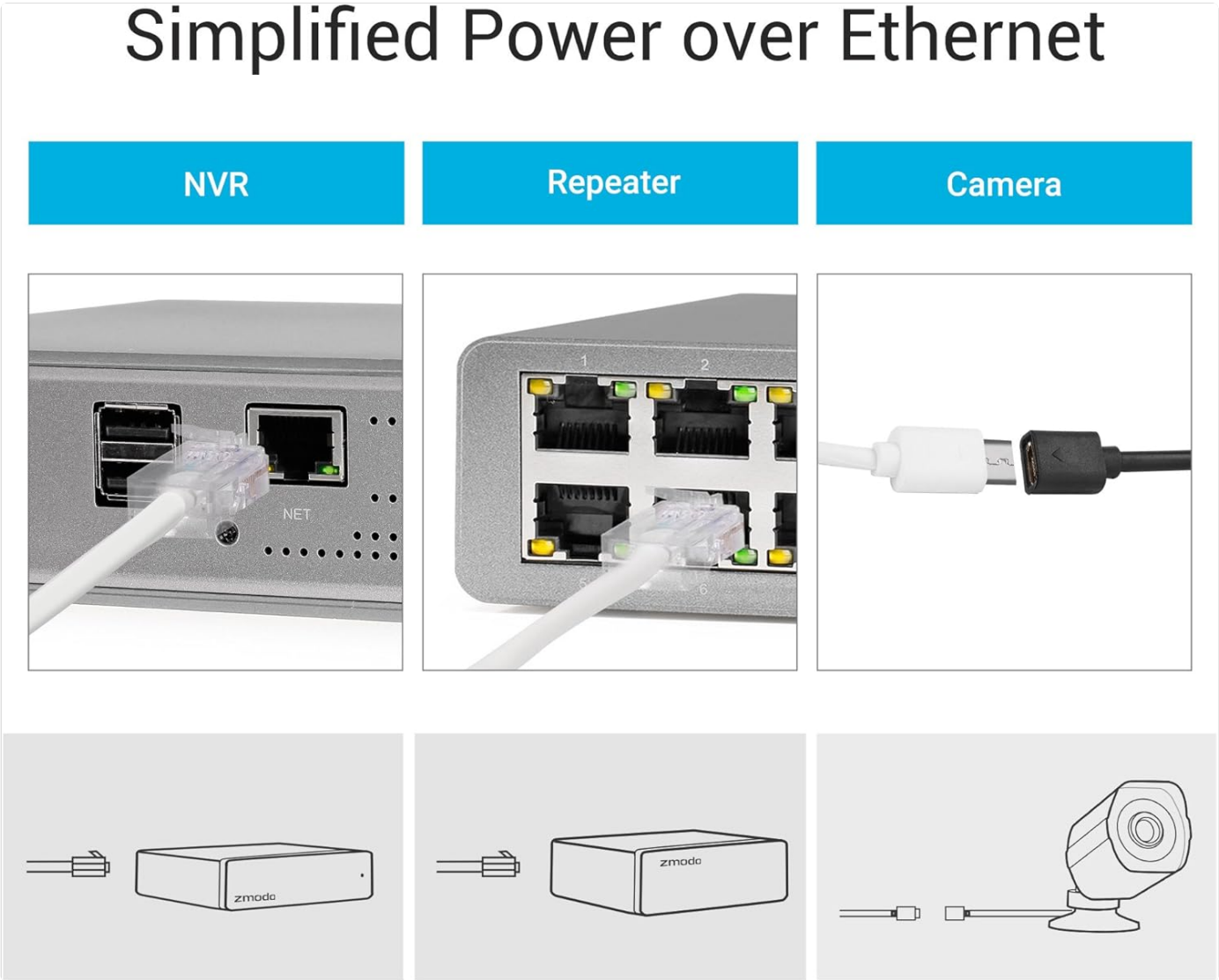


Image: A visual representation of the Simplified PoE connection, illustrating how the NVR connects to the repeater, and the repeater connects to the camera using a single cable for both power and data.

System Connection Diagram

Follow this diagram for proper connection of your security system components.

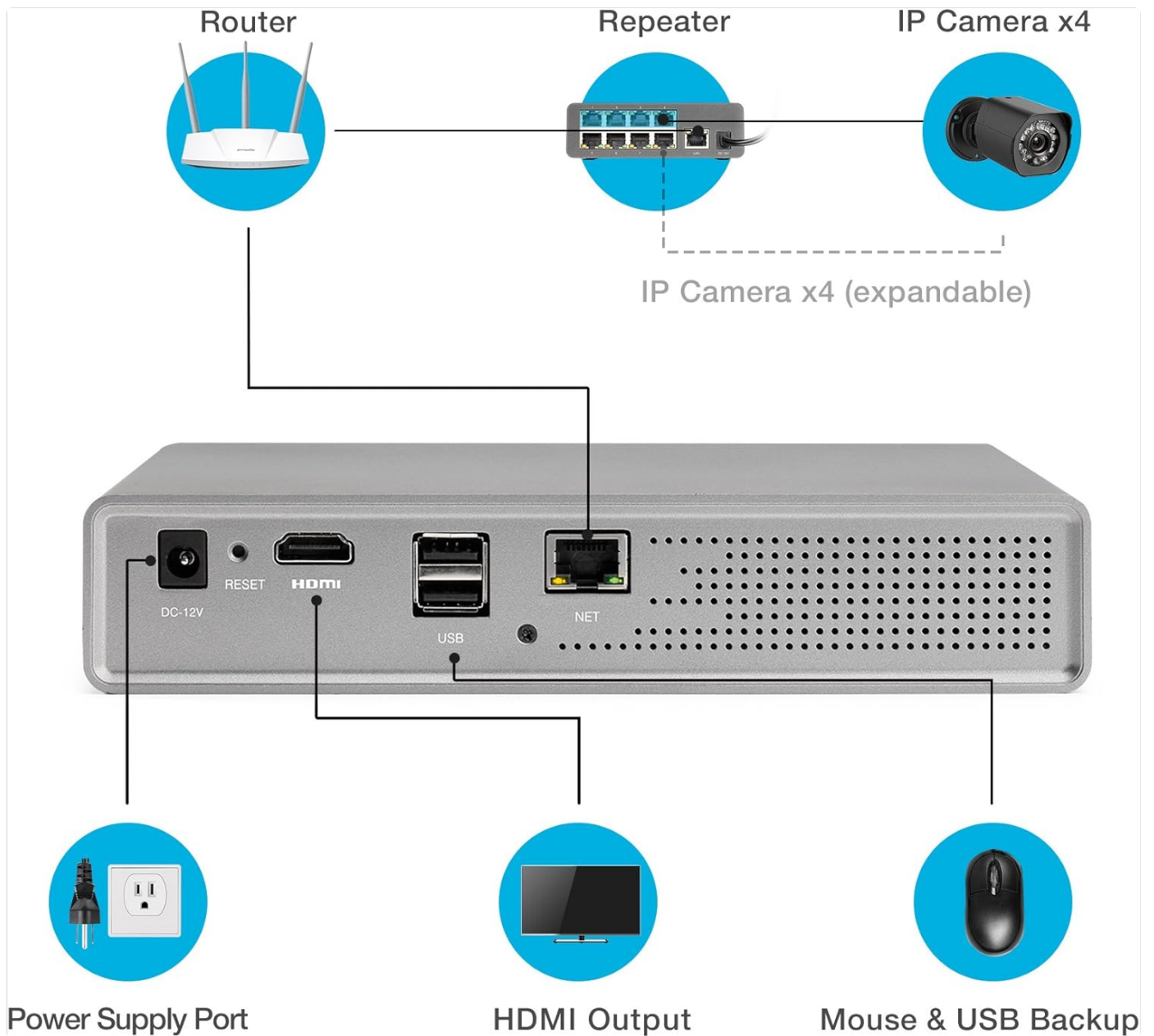


Image: A comprehensive diagram illustrating the connections between the router, sPoE repeater, IP cameras, NVR, NVR power supply, HDMI output to a monitor, and USB port for mouse and backup.

Camera Dimensions and Micro USB

The cameras feature a 3.6mm lens and offer 90-degree rotation for flexible positioning. The micro USB connection on the camera facilitates easier cable routing through smaller holes during installation.



Image: Detailed view of a Zmodo camera, highlighting its 3.6mm lens, 90-degree rotation capability, micro USB 2.0 port, and overall dimensions (2.1 inches height, 5.1 inches length).

Important Note: Please do not directly plug the NVR power supply into the outlet before connecting it to the NVR unit.

OPERATING YOUR SYSTEM

1080p Full HD Video and Night Vision

View crystal clear 1080p video and playback footage locally or remotely. The cameras are equipped with automatic infrared night vision, illuminating up to 65 feet for clear visibility in low-light conditions. With an IP65 weatherproof rating, the cameras are suitable for outdoor installation.

Remote Viewing via Zmodo App

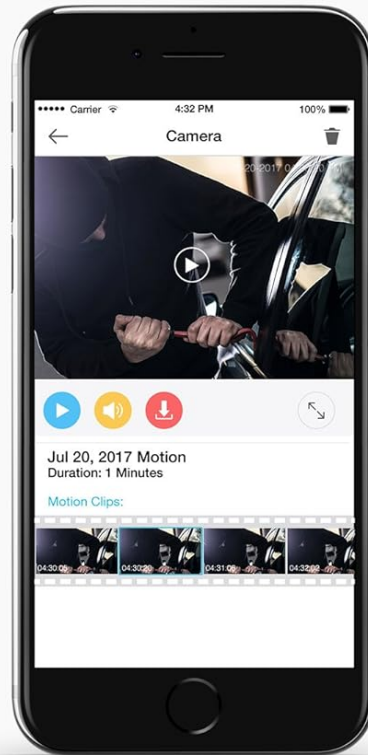
Keep your property secured and monitor your security system from anywhere using the free Zmodo app on your smartphone. The app allows you to view live feeds, receive motion notifications, and access video clip alerts.



motion
alerts



video clips



36h free
storage

Image: A smartphone screen displaying the Zmodo app interface, highlighting features such as motion alerts, video clip playback, and the availability of 36 hours of free cloud storage.

Intelligent Recording and Storage

The NVR optimizes storage space by compressing recorded footage when no motion is detected, and recording at the full 25 frames per second (fps) when motion is detected. This intelligent recording can allow for up to 60 days of recording for four cameras. The NVR supports a 3.5-inch SATA hard drive, up to 6TB.

Motion Detection Algorithm

The Zmodo app distinguishes detected motion into two types of events: Major and Minor. Notifications are only sent when a Major event occurs.

- **Major Events:** Occur when motion is detected after a prolonged period without any event (at least 25 minutes).
- **Minor Events:** Occur when motion is detected within 20 minutes of the last motion event and at least 3 minutes without motion.

MAINTENANCE AND ENVIRONMENTAL GUIDELINES

Operating Temperatures

- **Camera Working Temperature:** 14°F - 122°F (-10°C - 50°C)
- **NVR/Repeater Working Temperature:** 32°F - 104°F (0°C - 40°C)

Environmental Warning: Do not operate the system in wet or dusty environments to ensure optimal performance and longevity.

TROUBLESHOOTING

Common Issues and Solutions

- **No Power to NVR:**
Ensure the 12V 2A NVR Power Supply is securely connected to both the NVR and a working power outlet. Remember to connect the power supply to the NVR first before plugging it into the wall outlet.
- **No Camera Feed:**
Verify that the camera cables are properly connected to both the cameras and the sPoE repeater. Check the repeater's indicator lights to ensure power and data transmission. Ensure the repeater is powered on.
- **Remote Viewing Issues:**
Ensure your NVR is connected to your router via the provided network cable. Check your internet connection. Make sure the Zmodo app is updated to the latest version on your smartphone. If issues persist, try restarting your router and NVR.
- **Motion Detection Not Working:**
Review the motion detection settings within the Zmodo app. Ensure the sensitivity is appropriately configured and that the detection zones cover the desired areas. Remember that notifications are primarily for "Major Events."
- **Hard Drive Not Recording:**
Check the NVR's hard drive status in the system settings. Ensure the 1TB hard drive is properly installed and recognized. If the hard drive is full, the intelligent recording feature should manage space, but manual review or formatting might be necessary if issues persist (back up important footage first).

PRODUCT SPECIFICATIONS

Feature	Specification
Brand	Zmodo
Model Number	ZS-2004-B-1TB
Connectivity Technology	Wired
Video Capture Resolution	1080p Full HD
Special Features	Night Vision, Simplified PoE
Number of Channels	8 (supports up to 8 cameras)

Memory Storage Capacity	1 TB (pre-installed), supports up to 6TB
Color	Black
Power Source	Corded Electric
Item Dimensions (L x W x H)	16.61 x 6.42 x 10.39 inches
Signal Format	Digital
Low Light Technology	Night Color
Night Vision Range	65 Feet
Frame Rate	25 FPS
Optical Sensor Technology	CMOS
Hardware Interface	Ethernet
Lens Type	Fixed
Video Input	RJ45
Viewing Angle	77 Degrees
Item Weight	10 pounds
Date First Available	August 11, 2017


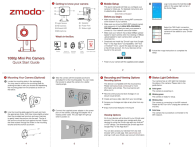
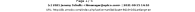

SUPPORT AND ADDITIONAL RESOURCES

For further assistance, please refer to the official Zmodo support channels. The Zmodo app provides direct access to support and additional resources.

- **Online User Guides:** Additional user guides and documentation may be available on the Zmodo official website.
- **In-App Support:** Utilize the support features within the Zmodo mobile application for troubleshooting and direct assistance.

This product is designed for optimal performance when used according to the instructions provided. Adherence to environmental guidelines and proper installation procedures will ensure the longevity and reliability of your security system.

Related Documents

<div>PC-ZViewer User Manual</div> <div></div>	<div>PC-ZViewer User Manual - Zmodo</div> <div>This manual provides comprehensive instructions for using the Zmodo PC-ZViewer software, a Windows client designed for managing Zmodo IP cameras, DVRs, and NVRs. It covers installation, device management, user management, video browsing, recording plans, playback, PTZ control, and various device configuration settings including network, video, and alarm parameters.</div>
<div></div>	<div>Zmodo 1080p Mini Pro Camera Quick Start Guide</div> <div>Quick start guide for the Zmodo 1080p Mini Pro Camera, covering setup, mounting, recording, viewing, status lights, and troubleshooting. Includes mobile setup instructions and contact information.</div>
<div><div>DVR-H9104V / DVR-H9104UV Quick Installation Guide For (4) or (8) Channel DVR Systems Quick Installation Guide For Models 4 or 8 Channel DVR & Camera System</div><div></div></div>	<div>Zmodo DVR Systems Quick Installation Guide for 4 or 8 Channel DVRs</div> <div>A comprehensive quick installation guide for Zmodo 4 and 8 channel DVR systems, including DVR-H9104V and DVR-H9104UV models. Covers pre-installation checklist, DVR and camera setup, and online viewing instructions.</div>
<div><div>ZMD-DD-SBN4 Advanced Motion Recording Settings For SBN4/8/6 and SAN4/8 Advanced Motion Recording Settings For Models 4 or 8 Channel DVR & Camera System</div><div></div></div>	<div>ZMD-DD-SBN4 Advanced Motion Recording Settings Guide</div> <div>Configure advanced motion detection settings for Zmodo SBN4/8/6 and SAN4/8 DVRs, covering area selection, scheduling, and handling actions for enhanced surveillance.</div>

Documents - Zmodo – ZS-2004-B-1TB



ZMODO ZS-2004-B-1TB



Instalační příručka

[\[pdf\]](#)
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ZMODO **ZS-2004-B-1TB** Instalacn prucka Obsah balen 1 x NVR server vctetn 1TB disku 1 x sPOE repeater 4 x 1080P kamery vctetn pslusenstv pro montz 1 x LAN kabel pro pipojen NVR serveru k routeru 1 x LAN kabel pro pipojen sPOE repeateru k routeru 4 x LAN kabel pro pipojen kamer k sPOE repeateru 1 x napj...
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zmodo™

Smart Business Security System Quick Start Guide

1 Getting to know your Business Security System

The Zmodo Business Security System provides a full-featured monitoring solution to cover your entire business space. The business system includes an NVR for local storage, HD cameras with cloud storage options, and sPoE Repeaters to connect the cameras. The sPoE repeater allows you to run one cable from your router to power on multiple cameras in each zone of your business. It will also allow for longer cable runs from your NVR.

Network Requirements:

720p cameras: Requires at least 1mbps upload when live viewing or 2mbps upload when using the Cloud Service for each camera.
1080p cameras: Requires at least 2mbps upload when live viewing or 4mbps upload when using the Cloud Service for each camera.

In order to optimize bandwidth and the number of ports on your WiFi router, you may use a network switch, however your sPoE Repeater(s) and NVR must be connected to the same network.

2 Hard Drive Disk Installation

If your system does not include a pre-installed hard drive (HDD), you can purchase your own and follow the steps below for installation. Make sure that you purchase a 3.5" HDD optimized for a long-term surveillance, e.g. **low-powered WD10PURX** HDD.

- Make sure that your NVR is powered off and unplugged from the power source. Using a screwdriver, remove the four screws located on the bottom panel as shown below.



[pdf] Quick Start Guide Guide

1 tina Smart Business Security System Quick Start Guide 3 Connecting your system Find a suitable location for NVR and sPoE Repeater s plug them into nearby power outlets 2 Connect the to an open ethernet port on WiFi router or network switch not included The must be connected same You may use provided A110103n2gL m media amazon images I Zmodo N Channel BS 1016 1024 1032 ZS 2004 B 1TB 2008 support zmodo index action attachment id 67

Smart Business Security System Quick Start Guide 1 Getting to know your Business Security System The Zmodo Business Security System provides a full-featured monitoring solution to cover your entire business space. The business system includes an NVR for local storage, HD cameras with cloud storage o... lang:en score:29 filesize: 1.24 M page_count: 8 document date: 2018-10-23