

TSL LTN8608-P8

User Manual for LTN8608-P8 8-Channel 4K NVR

Model: LTN8608-P8

1. PRODUCT OVERVIEW

The TSL LTN8608-P8 is a professional-grade 8-channel Network Video Recorder (NVR) designed for advanced surveillance systems. This quad-core NVR supports live view, storage, and playback of IP cameras up to 12.3MP resolution, offering high-definition video recording and management capabilities. It features an 80MB input bandwidth and 8 built-in Power over Ethernet (PoE) ports for direct camera connection, simplifying installation.

The NVR provides versatile video output options including 4K (3840x2160) HDMI, VGA, and CVBS. It supports up to two SATA hard drives, each up to 12TB (hard drives are not included and must be purchased separately for recording).

Advanced features include support for 6MP/12.3MP fisheye cameras and compatibility with H.264, H.264 Zip+, and H.265 video compression formats for efficient storage.

2. KEY FEATURES

- Quad-core 8 Channel Network Video Recorder.
- Supports Live View, Storage, and Playback up to 12.3MP IP Camera resolution.
- 80MB Input Bandwidth for efficient data handling.
- 8 Built-in PoE ports for direct camera power and data.
- 4K (3840x2160) HDMI, VGA, and CVBS Video Output.
- Supports 2 SATA hard drives up to 12TB each (hard drives not included).
- 4 POS (Point of Sale) via TCP/IP support.
- Compatible with 6MP / 12.3MP Fisheye cameras.
- Supports H.264, H.264 Zip+, and H.265 video compression.

3. PACKAGE CONTENTS

Please check the package contents upon opening. If any items are missing or damaged, contact your vendor immediately.

- TSL LTN8608-P8 8-Channel 4K NVR Unit
- Power Adapter
- USB Mouse
- SATA Cables and Screws for HDD Installation
- Quick Start Guide / User Manual (this document)
- Network Cable (may vary by package)

4. PHYSICAL DESCRIPTION

4.1 Front Panel



Figure 4.1: Front Panel of the LTN8608-P8 NVR

The front panel of the LTN8608-P8 NVR features several indicators and controls for direct interaction with the device. On the left, the "LTS" logo is visible. Towards the center, there are LED indicators for POWER, READY, STATUS, ALARM, and HDD activity, providing quick visual feedback on the NVR's operational status. To the right, a set of numerical and function buttons (1-9, 0) are present, including dedicated buttons for MENU, ESC, SHIFT, PLAY, REC, PTZ, and PREV. A directional pad with an 'Enter' button is located further to the right for navigation. A USB port is also conveniently located on the far right for connecting peripherals like a mouse or USB drive.

4.2 Rear Panel (Typical)

While not pictured, the rear panel typically includes:

- Power Input
- HDMI Output
- VGA Output
- CVBS Output
- Ethernet Ports (LAN and PoE ports)
- Audio Input/Output
- Alarm Input/Output
- Additional USB Ports
- RS-485 Port (for PTZ control)

5. SETUP GUIDE

5.1 Hard Drive Installation (Optional)

The NVR does not include a hard drive. A hard drive is required for recording video. Refer to the detailed instructions in the full manual for proper installation of SATA hard drives. Ensure the NVR is powered off and disconnected from the power source before opening the casing.

5.2 Initial Connections

1. **Connect Monitor:** Connect a monitor to the NVR's HDMI or VGA output port.
2. **Connect Mouse:** Plug the USB mouse into one of the NVR's USB ports (front or rear).
3. **Connect Cameras:** Connect IP cameras to the NVR's built-in PoE ports using Ethernet cables. For non-PoE cameras or cameras connected to an external PoE switch, connect them to the same network as the NVR.
4. **Connect to Network:** Connect the NVR's LAN port to your network router or switch using an Ethernet cable.
5. **Connect Power:** Connect the power adapter to the NVR's power input and then to a power outlet.

5.3 First Time Setup Wizard

Upon first boot, the NVR will typically launch a setup wizard. Follow the on-screen prompts to configure basic settings such as language, date/time, network settings, password, and hard drive initialization.

6. OPERATING INSTRUCTIONS

6.1 Live View

After successful setup, the NVR will display the live view of connected cameras. Use the mouse or front panel controls to switch between single-channel view, multi-channel view, or sequence display.

6.2 Recording

Recording can be configured for continuous, motion detection, alarm, or scheduled modes. Access the "Record" menu from the main interface to set up recording schedules and parameters for each channel.

6.3 Playback

To review recorded footage, enter the "Playback" menu. Select the desired date, time, and channel(s) to begin playback. Options for fast forward, rewind, pause, and frame-by-frame playback are available.

6.4 Remote Access

The NVR supports remote access via a web browser or dedicated mobile applications. Ensure the NVR is connected to the internet and port forwarding is configured on your router if necessary. Refer to the network settings section in the full manual for detailed instructions on remote access setup.

7. MAINTENANCE

- **Regular Cleaning:** Keep the NVR unit clean and free from dust. Use a soft, dry cloth. Do not use liquid cleaners.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates to ensure optimal performance and security. Follow update instructions carefully.
- **Hard Drive Health:** Monitor the health of your hard drives through the NVR's system information menu. Replace failing drives promptly to prevent data loss.
- **Backup Configuration:** Regularly back up the NVR's configuration settings to a USB drive to facilitate quick restoration if needed.
- **Environmental Conditions:** Ensure the NVR is operated within recommended temperature and humidity ranges to prolong its lifespan.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video output on monitor.	Loose cable connection, incorrect input selected on monitor, NVR not powered on.	Check HDMI/VGA cable connections. Ensure monitor is on correct input. Verify NVR power LED is lit.
Cameras not displaying.	Camera not powered, network issue, incorrect IP address, camera not added to NVR.	Check camera power and network cables. Ensure cameras are properly added/discovered by the NVR. Verify IP addresses.
Cannot access NVR remotely.	Network configuration issues, incorrect port forwarding, firewall blocking.	Verify NVR network settings. Check router's port forwarding rules. Disable temporary firewalls for testing.
No recording.	No hard drive installed, hard drive not initialized, recording schedule not set.	Install and initialize a hard drive. Configure recording schedules in the NVR menu.

For more detailed troubleshooting steps, please refer to the comprehensive troubleshooting section in the full user manual

or contact technical support.

9. SPECIFICATIONS

Feature	Detail
Model Number	LTN8608-P8
Channels	8 Channels
Max Resolution Support	Up to 12.3MP IP Camera
Input Bandwidth	80MB
PoE Ports	8 Built-in PoE
Video Output	4K (3840x2160) HDMI, VGA, CVBS
SATA Support	2 SATA interfaces, up to 12TB each (HDD not included)
POS Support	4 POS via TCP/IP
Fisheye Support	6MP / 12.3MP Fisheye
Video Compression	H.264/H.264 Zip+, H.265 Ready
Product Dimensions	15"L x 12.4"W x 2"H (15 x 12.4 x 2 inches)
Item Weight	8.5 Pounds
Manufacturer	LTS
Connectivity Technology	VGA, HDMI

10. WARRANTY AND SUPPORT

This TSL product is covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official TSL website. For technical support, product inquiries, or service requests, please contact your authorized dealer or the manufacturer's customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

Online Resources: For the latest drivers, firmware, and detailed documentation, please visit the official TSL support website.