4-Channel HD PoE NVR

TV-NVR104 (v1.1R)

- Standalone 4-Channel PoE network video recorder
- Plug and play up to 4 PoE cameras*
- Concurrent 720p video recording for all channels
- A 3.5" SATA I/II bay supports up to a 6 TB HDD/SSD (sold separately)
- Four weeks of continuous 720p recording**
- Advanced video playback

TRENDnet's standalone 4-Channel 720p HD PoE NVR, model TV-NVR104, offers a comprehensive video display, storage, and management solution. The NVR networks and powers up to four PoE cameras* and auto-recognizes select TRENDnet cameras. Install up to a 6 TB hard drive (sold separately) to record four weeks of continuous video from four 720p PoE cameras**. Quickly review and export archived video with advanced playback.
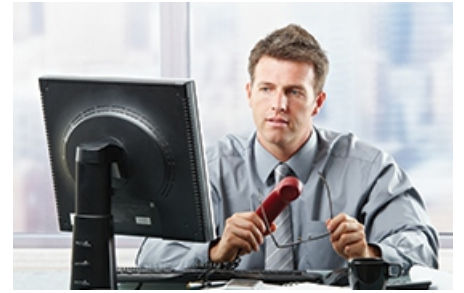
Standalone 1080p HD NVR

This standalone 720p HD NVR supports up to 6 TB of storage and powers up to four PoE network cameras (hard drive, cameras, and display sold separately).

Plug-and-Play Installation

The NVR auto-recognizes and powers TRENDnet PoE cameras* – simply connect compatible TRENDnet PoE cameras and start recording surveillance video.

Intuitive Interface

Users will find the management interface intuitive and easy to use – quickly navigate live view preferences, recording schedules, and advanced playback options.

Quad view

Single view

Advanced playback

Networking Solution

1. Power port
2. Analog audio in/out
3. VGA display port
4. HDMI display port
5. USB ports
6. Ethernet Network port
7. PoE 10/100 Mbps ports
8. LED Indicators

TV-NVR104 Hardware

PoE Ports
Plug and play TRENDnet PoE network cameras* to the four PoE (IEEE 802.3af) ports with a total PoE budget of 35 Watts

Storage Bay
A 3.5" SATA I/II bay supports up to a 6 TB HDD/SSD (sold separately)

Network Port
Ethernet network port

Display Ports
HDMI and VGA display ports

Audio Ports
Audio in and out ports

USB Ports
One USB port for the included mouse and one for configuration backup and firmware upgrade

Mouse Included
Includes a mouse and does not require a keyboard

TV-NVR104 Management

Mobile App
See live video on a mobile device with the free iOS® and Android™ apps

Remote Access
Access the NVR over the internet

Camera Setup
Auto-recognizes compatible TRENDnet cameras* and works with most PoE network cameras

Live View
Single camera and quad-view modes with variable-time auto-scan function

Camera Management
For each camera, manage on screen display, image settings, PTZ functionality, motion detection, privacy masks, tamper detection, and video loss

Video Recording
Record up to 720p HD video at 30 fps in H.264 compression

Recording Time
Four weeks of recording per camera with a 6 TB HDD (sold separately) and four 720p cameras at 30 fps (medium VBR)

Scheduled Recording
Create weekly continuous and motion detection recording schedules for each camera with video overwrite when storage is full

Advanced Playback
Advanced archived video playback with a quick reference timeline and calendar

Video Export
Quickly export specific video types over a specified time

Dynamic DNS Support
Support for dyn.com and NO-IP.org

IPv6
IPv6 support

TRENDnet

Specifications

Video Input
- 4 PoE channels

Video Output
- HDMI and VGA display outputs
- Resolution: 1920 x 1080 (1080p), 1280 x 1024, 1280 x 720 (720p), 1024 x 758 @ 60Hz

Audio
- Analog audio in/out (1.0 Vp-p, 1kΩ)

Storage
- One 3.5" SATA I/II HDD or SSD up to 6 TB storage (sold separately)

Network Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3af

Device Interface
- 10/100 Mbps network port
- 4 x 10/100 Mbps PoE camera network ports
- 2 x USB 2.0 ports
- HDMI port
- VGA port
- Analog audio in port
- Analog audio out port
- Power port
- LED indicators (Power, Storage, and Network)
- Grounding point

Network Protocol
- IPv4, IPv6, UDP, TCP, ICMP
- DHCP, NTP, DNS, DDNS, SMTP, FTP
- HTTP, UPnP, RTSP, RTP, RTCP

Power
- Input: 100 – 240 V AC, 50/60 Hz, 1.5 A
- Output: 48 V DC, 1 A

- Consumption: 50 Watts (with HDD and Max. PoE PD
- PoE power budget: 35 Watts

Operating Temperature
- -10 - 55 °C (14 - 131 °F)

Operating Humidity
- Max. 95% non-condensing

Certifications
- CE
- FCC

Dimensions
- 199 x 199 x 47 mm (7.8 x 7.8 x 1.8 in.)

Weight
- 584 g (20.6 oz.)

Management Interface
- Live view: Single camera or quad-view
- Camera management[i]:
- On screen display: camera name, date, week, and date format
- Image quality: brightness, contrast, saturation, hue, mirror
- PTZ: pan, tilt, zoom, focus, iris, preset points, pattern, cruise, patrol
- Motion detection: define custom motion detection areas, motion sensitivity, and triggering channels
- Privacy masks: define custom privacy mask areas
- Video tamper detection: trigger actions if the viewing field darkens suddenly
- Video loss detection: trigger actions if the setup video is lost
- Scheduled recording: continuous and motion detection
- Video recording: Record up to 720p HD video
- Holiday scheduling for custom recording schedules during observed holidays

- Advanced playback: playback multiple channels simultaneously and search video recordings with special event or tag
- Video export: tag, cut, and export video clips
- HDD: Encoded disk formatting, S.M.A.R.T. disk health monitoring and testing, bad sector detection, storage quota allocation to each video channel, recycle old recordings or send disk full warning to administrator by email
- USB external storage: firmware upgrade, import/export configuration file and logs, export recorded video files, search and playback videos directly from external storage
- Local live view settings: define screen layout and channel viewing sequence
- Alert messages: storage full, storage error, network disconnected, IP conflict, illegal login, and recording exceptions
- Supported dynamic DNS services: Dyn.com and NO-IP.com
- Management Setting: maximum 32 user accounts
- Traffic chart and statistics for network management
- IPv6 support

Remote Viewing and Management
- User interface compatible with Internet Explorer[®] 9.0 or higher, Safari[®] 4.0 or higher

Warranty
- 2 year limited

Package Contents
- TV-NVR104
- Network cable (1.8 m / 6 ft.)
- Optical mouse
- CD-ROM (User's Guide)
- Multi-Language Quick Installation Guide
- Power adapter (48 V DC, 1A)

*Features applies only to integrated cameras. Please see the compatible camera list on http://www.trendnet.com/products/nvr-solutions for more detail.
** Four weeks of recording per camera with a 6 TB HDD (sold separately) and four 720p cameras at 30 fps (medium VBR).

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