



Network Video Recorder



NVR-02 Series

H/W Version: 2

The LevelOne Network Video Recorder (NVR) is a reliable surveillance system with an easy set up functionality. It enables live recording and playback for up to 4/8/16 network cameras via the local area network (LAN) or over the Internet simultaneously.

This system is compatible with most network cameras (Please see compatible list), with no specific hardware or software requirement. Just plug the NVR into the LAN connected device (switch or router) and with a few clicks, it will search and configure each connected network cameras instantly. This high-performing NVR is cost-effective and it offers a completed monitoring solution. Smartphone real-time viewing, video/schedule recording and playback, DI/DO for sensor/ alarm and external Uninterruptible Power Supply (UPS) for non-stop recording service are all standard feature for the LevelOne NVR.

It also supports up to 5-Megapixel resolution and H.264/MJPEG/MPEG4 compression with dual stream monitoring. The LevelOne NVR is a powerful tool that well suited for small scale applications such as retail store, office, bank or home surveillance needs.

Enhanced Multi-Server Management

We aim to offer you the most versatile and comprehensive surveillance solutions. Our free bundled NVR management software coming with the NVR allows you to cascade up to 16 NVR servers located in different sites and monitor up to 256 IP cameras simultaneously from a single point of management. Thus easing administration tasks while maximizing efficiency and performance.



1. Reset Button
2. Power Button
3. Buzzer Stop Button
4. USB Port
5. LED Indicators
6. Power Connector
7. Ethernet
8. RS-232
9. DI/DO

Key Features

- 2 x 3.5 inch disk slot (SATA I/II, up to 2 x 3TB)
- Manage and control up to 4/8/16 network cameras
- Gigabit Ethernet (1000Mbps) speeds
- Compression: H.264/MPEG-4 Part 2/MJPEG
- Resolution: 5-Megapixel/3-Megapixel/Full HD/ Megapixel/FD1/CIF/QCIF
- Supports smart camera search and 2-way audio
- Supports PTZ/preset point/preset sequence
- Motion detect and event display on e-map
- Supports iPhone/smartphone/PDA remote viewing over the Internet
- Display mode: Live view/playback/full screen
- Supports external UPS and DI/DO
- Supports 2 video streams simultaneously
- Free bundled NVR management software for manage up to 16 NVR devices

Works Well With



FCS-4041
2-Megapixel P/T/Z PoE Plus Speed Dome Outdoor Network Camera



FCS-5051
Day/Night 2-Megapixel PoE Outdoor Network Camera

Technical Specification

Hardware

Processor

ARM9 1.6Ghz

Memory

512MB DDR3 RAM

HDD Capacity

SATA HDD Slot x 2 (SATA I or SATA II)

Max. Capacity: 6TB (3TB per HDD)

LAN Port

10/100/1000Base-T

USB

1 x USB 2.0 for backup device and firmware upgrade

Buttons

Power button, reset button, buzzer stop button

LED Indicators

Power, System, Network, HDD, Alarm, Camera

Alarm Buzzer

System warning, event alert

Digital Input/Output

DI x 8 / DO x 4

Dimensions

220 x 218 x 81 mm

Weight

2670 g (without HDD)

Power

100~240V AC, 1.4A

Power Consumption

max. 90W

Operating Temperature

5 °C ~ 45 °C

Operating Humidity

5% ~ 90% (non condensing)

Approvals

CE/FCC

Camera

Channels

4 / 8 / 16

Supported Brands

A-MTK / Abus / ACTi / AirLive / ALinking / Arecont Vision / AVTech / Axis / Brickcom / Canon / CNB / Compro / D-Link / Dynacolor / Etrovision / Flexwatch / Hikvision / Hunt / iMege / IQInvision / LevelOne / Mobotix / Panasonic / Pixord / Planet / Planex / Sanyo / Sony / Toshiba / Vivotek / Zavio

Video

Resolution

5MP / 3MP / 2MP / Full HD / MegaPixel / FD1 / CIF / QCIF

Compression

H.264 / MPEG-4 / M-JPEG

Audio

Codec

G.711 / G.726

Streaming

2-Way Audio

Live Viewing

Display Mode

Live View / Playback / Full Screen

Split Screen

NVR-0204 - 1/4

NVR-0208 - 1/4/8

NVR-0216 - 1/4/16, 9/13

Full Screen

NVR-0204 - 1/4

NVR-0208 - 1/4/8

NVR-0216 - 1/4/16, 9/13

PTZ Support

Virtual PTZ Panel / Auto Pan / Preset Point / Preset

Sequence / Digital PTZ

Sequence Mode

Sequence All / Manually Selected cameras in 1/4 split view with configurable timer

Snapshot

3 continuous snapshots in JPEG format

E-Map

Motion Detected Event Display on E-Map / Google Map

Mobile Device

Live image view through mobile device's web browser

Support iPhone / Blackberry / WinMobile 6.5 / Symbian S60

Playback

Split Screen

1/4

Seach Method

Time/Date, Event

Playback Controls

Play / Pause / Stop / Forward / Reverse / Speed Adjust / Frame by Frame

Backup

Export Playback Videos to Local Computer in AVI

Format

Recording

Max. Frame Rate

240 fps (1920 x 1080, H.264)

Capacity

Depends on hard disk

Recording Mode

Manual / Continuous / Schedule / Event

Scheduling Types

Manual Select / Profile-based / Weekly Mode

Dual Stream

Support different video format for recording other than the one used for live view

Network Throughput

80 Mbps

Export File Format

AVI

Triggers & Event

System Events

System Start/Shutdown, System Settings modified, Camera Settings Modified, Start Recycle, Disk Full

Camera Events

Motion / Sensor Detection

Event Actions

Mail / FTP / Record / Buzzer

Event Recording

Pre/Post Event Settings

Management

Number of Groups

7 (Administrator/Guest/User Define * 5)

Privileges

Live View / Playback / System Configurations / Camera Configurations / Recording Configuration / Event Configuration / Maintenance

System Log

Alert / Event / User Access

Central Management

Support NVR Management Software to manage up to 16 NVR device.

Network

Supported Protocols

HTTP, SMTP, DHCP, ARP, NTP, DNS, UPnP, FTP

Device Network Configuration

Static IP / DHCP (client & server)

Max. Session

48 (live:32, playback:16)

General

Languages

English / Trad. Chinese /Simp. Chinese / Japanese / Italian / Spanish / Portuguese / German / Danish / Czech /

Polish / French / Russian / Slovenian / Hungarian / Turkish / Finnish / Dutch / Slovenian / Greek

Hardware Requirements

CPU: Intel Core 2 Duo @ 2.4Ghz or higher

RAM: 1GB or above

Network: 100 Megabit Network Interface or above

Software Requirements

Internet Explorer 7 or above

* Please visit <http://global.level1.com> for the latest product compatibility list.

Product Diagram



Order Information

NVR-0204: 4-CH Network Video Recorder

NVR-0208: 8-CH Network Video Recorder

NVR-0216: 16-CH Network Video Recorder

Package Contents

Network Video Recorder
RJ-45 Ethernet LAN cable
Power cord
Quick Installation Guide
CD Manual/Utility