



# 4-CH Network Video Recorder



NVR-0104

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 network cameras via the local area network (LAN) or over the Internet simultaneously.

This system is compatible with most network cameras, 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, event display on e-map/Google map, video/schedule recording and playback are all standard features for the LevelOne NVR-0104.

Moreover, it equipped a HDMI connector interface for connect the NVR directly to a HDMI capable device such as HDTV or HD monitor, with Full HD resolution and H.264/MJPEG/MPEG4 compression. The LevelOne NVR-0104 is a powerful tool that well suited for small scale applications such as retail store, office 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. HDD LEDs
- 2. Remote Control IR Receiver
- 3. USB Connector
- 4. Power Button
- 5. Reset Button
- 6. Composite Audio
- 7. Composite Video
- 8. System Fan
- 9. USB Connector
- 10. HDMI Connector
- 11. Ethernet
- 12. Power Connector

### Key Features

- 2 x 3.5 inch disk slot (SATA I/II, up to 2 x 2TB)
- Manage and control up to 4 network cameras
- Supports 1080p HDMI local display
- Compression: H.264/MPEG-4 Part 2/MJPEG
- Resolution: 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/Google map
- Supports iPhone/smartphone/PDA remote viewing over the Internet
- Display mode: Live view/playback/full screen
- Remote controller included
- Free Bundled NVR management software for manage up to 16 NVR devices

### Works Well With



**WCS-0050**  
150Mbps Wireless Megapixel Network Camera



**FCS-1122**  
Megapixel PoE Network Camera

## Technical Specification

### Hardware

#### Processor

Media Processor

#### Memory

512MB DDR2 RAM

#### HDD Capacity

3.5" SATA HDD x 2 (SATA I or SATA II)

Max. Capacity: 4TB (2TB per HDD)

#### LAN Port

10/100Base-TX auto-negotiation

#### USB

2 x USB 2.0 port (front: 1; back: 1)

Support USB mouse

#### Video Output

HDMI x 1

Composite RCA jack x 1

#### Audio Output

Audio RCA x 2

#### Buttons

Power button, reset button

#### LED Indicators

Power, HDD, Camera

#### Dimensions

213 x 80 x 150 mm

#### Weight

835 g (without HDD)

#### Power

12VDC/4A

#### Power Consumption

max. 50W

#### Operating Temperature

5 °C ~ 40 °C

#### Operating Humidity

10% ~ 80% (non condensing)

#### Approvals

CE/FCC

### Camera

#### Channels

4

#### 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

Full HD / Mega Pixel / FD1 / CIF / QCIF

#### Compression

H.264 / MPEG-4 / M-JPEG

#### Local Video Display

Video Streaming: H.264 / MPEG4

30fps at 1920 x 1080, H.264, 8Mbps

Snapshot: MJPEG

### Audio

#### Codec

G.711 / G.726

#### Streaming

Web: 2-Way Audio

Local: One Way Audio

### Live Viewing

#### Display Mode

Live View / Playback / Full Screen

#### Split Screen

1/4 (web), 1 (local display)

#### Full Screen

1/4 (web), 1 (local display)

#### PTZ Support

Virtual PTZ Panel / Digital PTZ (web UI) / Auto Pan (web UI) / Preset Point / Preset Sequence

#### Sequence Mode

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

Single view sequence with configurable timer (local display)

### Snapshot

Video snapshot in JPEG format

### E-Map

Motion Detected Event Display on E-Map / Google Map (web)

### Mobile Device

Live image view through mobile device's web browser

Support iPhone / Blackberry / WinMobile 6.5 / Symbian S60

### Playback

#### Split Screen

1/4 (web), 1 (local display)

#### Search Method

Time/Date, Event

#### Playback Controls

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

#### Backup

Backup recorded video in original database file format to local USB storage

### Recording

#### Max. Frame Rate

120 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

#### Network Throughput

40 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 /

#### 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

26

### General

#### Languages

Web UI: English / Trad. Chinese / Simp.Chinese / Japanese / Italian / Spanish / Portuguese / German / Danish / Czech / Polish / French / Russian / Slovenian / Hungarian / Turkish / Finnish / Dutch / Slovenian / Greek

Local UI: English

#### 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

— RJ-45 Ethernet

— HDMI



## Order Information

### Package Contents

#### **NVR-0104:** 4-CH Network Video Recorder

NVR-0104 (HDD NOT included)

IR Remote Controller

RJ-45 Ethernet LAN Cable

Power adapter

CD Manual / Utility

Quick Installation Guide

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