



## 4-CH Network Video Recorder



NVR-0104

H/W Version: 2

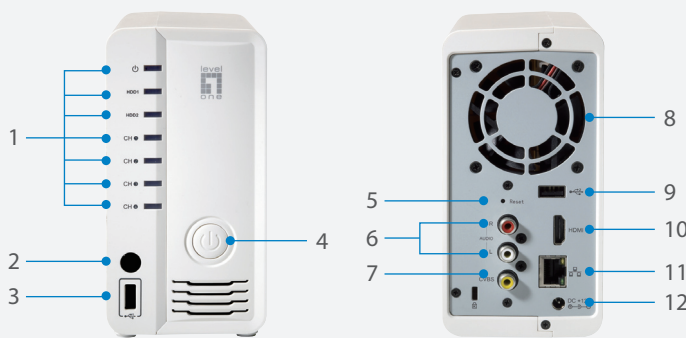
The LevelOne Network Video Recorder (NVR) is a reliable surveillance system with an easy set up functionality. It enables live recording and playback for up to 4 network cameras via the local area network (LAN) or over the Internet simultaneously.

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

<b>Hardware</b>
<b>Processor</b> Media Processor
<b>Memory</b> 512MB DDR2 RAM
<b>HDD Capacity</b> 3.5" SATA HDD x 2 (SATA I or SATA II) Max. Capacity: 4TB (2TB per HDD)
<b>LAN Port</b> 10/100Base-TX auto-negotiation
<b>USB</b> 2 x USB 2.0 port (front: 1; back: 1) Support USB mouse
<b>Video Output</b> HDMI x 1 Composite RCA jack x 1
<b>Audio Output</b> Audio RCA x 2
<b>Buttons</b> Power button, reset button
<b>LED Indicators</b> Power, HDD, Camera
<b>Dimensions</b> 213 x 80 x 150 mm
<b>Weight</b> 835 g (without HDD)
<b>Power</b> 12VDC/4A
<b>Power Consumption</b> max. 50W
<b>Operating Temperature</b> 5 °C ~ 40 °C
<b>Operating Humidity</b> 10% ~ 80% (non condensing)
<b>Approvals</b> CE/FCC
<b>Camera</b>
<b>Channels</b> 4
<b>Supported Brands</b> 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
<b>Video</b>
<b>Resolution</b> Full HD / Mega Pixel / FD1 / CIF / QCIF
<b>Compression</b> H.264 / MPEG-4 / M-JPEG
<b>Local Video Display</b> Video Streaming: H.264 / MPEG4 30fps at 1920 x 1080, H.264, 8Mbps Snapshot: MJPEG
<b>Audio</b>
<b>Codec</b> G.711 / G.726
<b>Streaming</b> Web: 2-Way Audio Local: One Way Audio
<b>Live Viewing</b>
<b>Display Mode</b> Live View / Playback / Full Screen
<b>Split Screen</b> 1/4 (web), 1 (local display)
<b>Full Screen</b> 1/4 (web), 1 (local display)
<b>PTZ Support</b> Virtual PTZ Panel / Digital PTZ (web UI) / Auto Pan (web UI) / Preset Point / Preset Sequence
<b>Sequence Mode</b> Sequence All / Manually Selected cameras in 1/4 split view with configurable timer (web) Single view sequence with configurable timer (local display)

<b>Snapshot</b> Video snapshot in JPEG format
<b>E-Map</b> Motion Detected Event Display on E-Map / Google Map (web)
<b>Mobile Device</b> Live image view through mobile device's web browser Support iPhone / Blackberry / WinMobile 6.5 / Symbian S60
<b>Playback</b>
<b>Split Screen</b> 1/4 (web), 1 (local display)
<b>Search Method</b> Time/Date, Event
<b>Playback Controls</b> Play / Pause / Stop / Forward / Reverse / Speed Adjust / Frame by Frame
<b>Backup</b> Backup recorded video in original database file format to local USB storage
<b>Recording</b>
<b>Max. Frame Rate</b> 120 fps (1920 x 1080, H.264)
<b>Capacity</b> Depends on hard disk
<b>Recording Mode</b> Manual / Continuous / Schedule / Event
<b>Scheduling Types</b> Manual Select / Profile-based / Weekly Mode
<b>Network Throughput</b> 40 Mbps
<b>Export File Format</b> AVI
<b>Triggers &amp; Event</b>
<b>System Events</b> System Start/Shutdown, System Settings modified, Camera Settings Modified, Start Recycle, Disk Full
<b>Camera Events</b> Motion / Sensor Detection
<b>Event Actions</b> Mail / FTP / Record /
<b>Event Recording</b> Pre/Post Event Settings
<b>Management</b>
<b>Number of Groups</b> 7 (Administrator/Guest/User Define * 5)
<b>Privileges</b> Live View / Playback / System Configurations / Camera Configurations / Recording Configuration / Event Configuration / Maintenance
<b>System Log</b> Alert / Event / User Access
<b>Central Management</b> Support NVR Management Software to manage up to 16 NVR device.
<b>Network</b>
<b>Supported Protocols</b> HTTP, SMTP, DHCP, ARP, NTP, DNS, UPnP, FTP
<b>Device Network Configuration</b> Static IP / DHCP (client & server)
<b>Max. Session</b> 26
<b>General</b>
<b>Languages</b> 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
<b>Hardware Requirements</b> CPU: Intel Core 2 Duo @ 2.4Ghz or higher RAM: 1GB or above Network: 100 Megabit Network Interface or above
<b>Software Requirements</b> Internet Explorer 7 or above
* Please visit <a href="http://global.level1.com">http://global.level1.com</a> 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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