



# 4-CH Network Video Recorder



NVR-0104

H/W Version: 1

### Easy to install and use

LevelOne NVR-0104 is an entry Network Video Recorder for home, retailer store and small office applications; The system is compatible with many IP cameras, with no specific hardware or software required, just plug NVR-0104 into your LAN-connected device (switch or router) with few clicks and it will search and configure each connected IP cameras, no more extra work needed. LevelOne NVR-0104 can connect up to 4 IP cameras. via the local area network or over the internet simultaneously.

### Megapixel and Internet viewing via 3G mobile

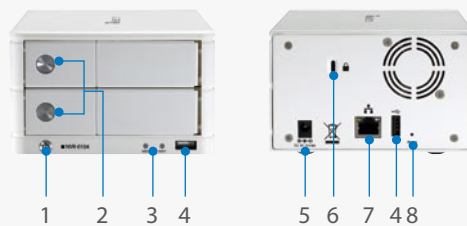
With MPEG-4/MJPEG/H.264 codec compression, it provides up to megapixel resolution. users can access the live view and playback functions over the internet or via the 3G mobile phone (iPhone/ Blackberry/ WinMobile 6.5/ Symbian S60), an attractive feature for shop and business owners that need to keep an eye on important assets while they're away.

### E-Map function for Live Street Monitor

User might utilize the Google Map or upload his floor plan to the LevelOne NVR-0104. Just few steps of drag-and-drop operation, user could use the camera icons for denoting the location of the IP cameras. In case of some IP camera triggered by an event, a live view window will popup right beside the corresponding camera icon for alerting the user that there is something unusual in front of that camera. With this function, user can quickly make a response to the intruder or accident.

### Free bundled NVR management Software

The free bundled NVR management software can support to management up to 16 NVR devices, it can also support mixed NVR type (example 4/8/16-CH series), so the NVR management software is able to supports up to 256 IP network cameras (max.).



1. Power Button
2. HDD Tray Button
3. HDD LEDs
4. USB Interface
5. Power Jack
6. Micro Security Slot
7. Gigabit Ethernet Interface
8. Reset/Restart Button

### Key Features

- Two 3.5 inch disc slot (SATA I or II, up to 2x 1500GB)
- Gigabit Ethernet speeds (1000Mbps)
- Manage up to 4 Network Cameras
- Compression: MJPEG/MPEG-4 Part 2/H.264
- Supports PTZ/Preset Point/Preset Sequence
- Motion Detect Event Display on E-Map/Google Map
- Supports Mobile Viewing and 2-Way Audio
- Display Mode: Live View/Playback/Full Screen
- Resolution: MegaPixel/FD1/CIF/QCIF
- Export Playback Videos to AVI
- Multiple Languages support
- Free Bundled NVR management Software to manage up to 16 NVR devices

### Works Well With



**FCS-0030**  
H.264 Megapixel PIR Lighting IP Camera



**FCS-1121**  
H.264 MegaPixel PoE Network Camera

## Technical Specification

### Hardware Specification

#### CPU and Memory

ARM9 300Mhz/128MB DDR RAM

#### Ethernet

Gigabit Ethernet, half duplex /full duplex auto-negotiation

#### HDD

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

Max. Capacity: 3TB (1.5TB per HDD)

#### LED

Power/HD

#### Buttons

Reset/Power

#### Connectors

USB x 2

#### Dimensions & Weight

2.5kg

#### Temperature

Operating: 5 °C ~ 40 °C

Storage: -20 °C ~ 70 °C

#### Power

12V DC/4A

Power consumption: 50W

#### Humidity

5% ~ 90% (non condensing)

#### Dimensions

220x125x75 mm

#### Safety

FCC /CE

### Software Specification

#### General

Languages: English/Trad. Chinese/Simp./Chinese/Japanese/  
Spanish/Italian/German/Danish/Czech /Polish/French/Russian/  
Slovensky/Hungarian/Portuguese

#### Cameras

- Add Camera: Manual/Smart Camera Search

- Max. Channels: 4

- Supported Brands: LevelOne, AXIS, ACTi, Arecont Vision,  
D-Link, ETROUISION, IQInvision, MOBOTIX, Panasonic, SONY,  
TOSHIBA, VIVOTEK, ZAVIO

#### Levelone Camera support list

FCS-0010v2,WCS-0010, FCS-0020, WCS-0020, FCS-0030,  
WCS-0030, FCS-1030v2, WCS-2030v3, FCS-1060, WCS-2060,  
FCS-1091,WCS-1090, FCS-1101, FCS1081A, FCS-1121, FCS-1131,  
FCS-1141, FCS-1151, FCS-3021, FCS-3031, FCS-3051, FCS-3061,  
FCS-3071, FCS-3081, FCS-3091, FCS-5011, FCS-5030, FCS-5041,  
FCS-5051, FCS-4010, FCS-4020, FCS-4X00, FCS-7111

#### Video

- Compression: MJPEG/MPEG-4 Part 2/H.264

- Resolution: HD/MegaPixel/FD1/CIF/QCIF

- Max. Frame Rate: 120 fps (1.3 MegaPixel, H.264)

#### Audio

Streaming: Two-way audio

#### Live View

- Display Mode: Live View/Playback/Full Screen

- Split Screen: 1/4

- Full Screen: 1/4

- PTZ Support: Virtual PTZ Panel/Auto Pan/Preset Point/Preset  
Sequence

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

- Snapshot: Video snapshot 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

- Search Method: Time/Date, Event

- Playback Controls: Play/ Pause/ Stop/ Forward/ Reverse/  
Speed Adjust/Frame by Frame

- Export AVI: Export Playback Videos to Local Computer in AVI  
Format

#### Recording

- Capacity: Depends on hard disk

- Recording Mode: Manual/ Continuous/ Scheduling/ Event

- Scheduling Types: Manual Select/ Profile-based/ Weekly  
Mode

- Max. Recording Throughput: 18Mbps

#### Network

- Protocols: HTTP/SNMP/DHCP/ARP/NTP/DNS/UPnP/FTP

- Streaming Protocols: Depend on the supported cameras

#### User Management

- Management: User/Group

- Number of Groups: 7 (Administrator/Guest/User Define \* 5)

- Privileges: Live View/Playback/System Configurations/  
Camera Configurations/Recording Configuration/ Event  
Configuration/ Maintenance

#### Triggers & Events

- Events:

System Events -- System Start/Shutdown, System Settings  
modified, Camera Settings Modified, Start Recycle, Disk Full  
Camera Events -- Motion/Sensor Detection

- Event Actions: HTTP/Mail/FTP/Buzzer/Record

- Event Recording Pre/Post Event Settings

#### Central Management

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

#### Logs

Log Types: Alert/Event/User Access

#### Systems

- Mini. Hardware Requirements:

CPU: Intel Core 2 Duo @ 2.4Ghz or higher

RAM: 1GB or above

Network: 100 Megabit Network Interface or above

- Mini. Software Requirements:

IE Browser version 7 or above

## Product Diagram



## Order Information

### Package Contents

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

NVR-0104 (HDD NOT included)

CD Manual / Utility

Quick Installation Guide

Power adapter