



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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