Network Video Recorder



NVR-02 Series

H/W Version: 2

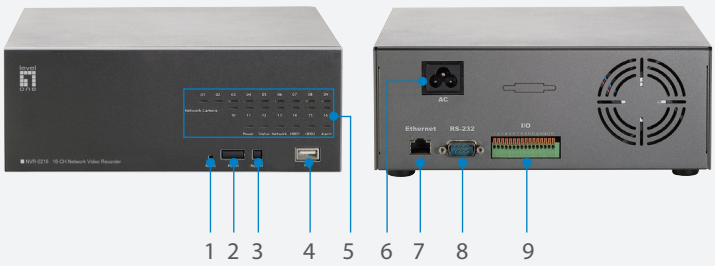
The LevelOne Network Video Recorder (NVR) is a reliable surveillance system with an easy set up functionality. It enables live recording and playback for up to 4/8/16 network cameras via the local area network (LAN) or over the Internet simultaneously.

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

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