



# 16-CH Network Video Recorder



NVR-0216

H/W Version: 1

## Easy to install and use

NVR-0216 is a high performance Network Video Recorder for easy set up a reliable and cost-effective surveillance system for IP network cameras. It enables live view recording and playback for up to 16 IP network cameras via the local area network or over the internet simultaneously.

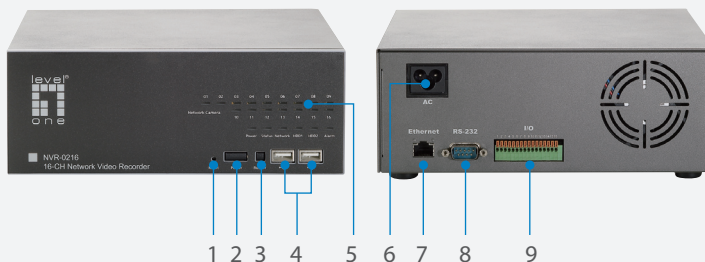
The system is compatible with many IP cameras (Please see compatible list), with no specific hardware or software required, just plug NVR-0216 into your LAN-connected device (switch or router) with few clicks and it will search and configure each connected IP cameras, no more extra work needed. With built-in IP based device, it offers a complete recording solution directly connects to your network, such as real-time monitoring, video recording and playback. It is a powerful solution that well suited for small scale applications such as retail store, office, bank or home surveillance systems.

## High-quality and Internet viewing

With high-quality MPEG-4/MJPEG/H.264 codec compression, provides up to megapixel resolution, it will always give the same and consistent images quality as the original image form the IP cameras for video and real-time viewing. And most importantly, users can access the live view and playback functions over the internet, an attractive feature for shop and business owners that need to keep an eye on important assets while they're away.

## 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), so the NVR management software is able to supports up to 256 IP network cameras (max.).



1. Reset Button
2. Power Button
3. Buzzer Stop Button
4. USB2.0 Interface
5. LED Anzeigens
6. Power Port
7. Ethernet
8. RS-232
9. DI/DO

## Key Features

- Two 3.5 inch Disk Slot (SATA I or SATA II)
- Gigabit Ethernet (1000 Mbps) speeds
- Compression: MJPEG/MPEG-4 Part 2/H.264
- Support PTZ/Preset Point/Preset Sequence
- Motion Detected Event Display on E-Map
- Display Mode: Live View/Playback/Full Screen
- Resolution: HD/MegaPixel/FD1/CIF/QCIF
- Export Playback Videos to AVI
- Support schedule recordings and 2-way Audio
- Support External UPS and DI/DO.
- Smart Camera Search and Live image view
- Free Bundled NVR management Software to manage up to 16 NVR devices

## Works Well With



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



**FCS-4020**  
Day/Night Speed Dome Pro Network Camera (35x)

## Technical Specification

### Hardware Specification

#### CPU and Memory

ARM9 500Mhz/128MB DDR RAM

#### Ethernet

10BaseT / 100BaseT/1GBaseT and half duplex /full duplex auto-negotiation

#### HDD

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

Max. Capacity: support 2 x 2TB=4TB in total.

#### LED

Cameras/Power/System/Network/HD/Alarm

#### Buttons

Reset/Power/Buzzer

#### Connectors

USBx2 / RS-485 / DI&DO Connectors / RS-232

#### Weight

10lbs

#### Temperature

Operating: 5 °C ~ 45 °C/41 °F ~ 113 °F

Storage: -40 °C ~ 70 °C/-14 °F ~ 158 °F

#### Power

19V DC

Power consumption: 90W

#### Humidity

5% ~ 90% (non condensing)

#### Dimensions

243 x 218 x 72 mm

#### Safety

FCC Class A/CE/UL

### software Specification

#### General

Web UI Language: English/Trad.Chinese/Simp.Chinese/  
Japanese/Spanish/Italian/Portugese/German/Danish/Czech

#### Cameras

Add Camera: Manual/Smart Camera Search

Max. Channels: 16

Supported Brands: LevelOne, ACTi, Arecont Vision, AXIS, D-Link, ETROUISION, 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: 480 fps(Total bandwidth required: 30Mbps)

(Support up to 16 pcs of D1 Camera with H.264 at 30FPS & Highest-Quality simultaneously)

#### Audio

Streaming: Two-way audio

Compression: G.711, G726

#### Live View

Display Mode: Live View/Playback/Full Screen

Split Screen: 1/4/8/16

Full Screen: 1/4/8/16

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

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

#### 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 Con-figurations/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

#### Power & Storage

UPS: Support External UPS System

Storage: Support SATA x 2, Max. 2TB per drive

#### Logs

Log Types: Alert/Event/User Access

Systems

Mini. Hardware Requirements:

CPU: Intel Pentium 4 or higher @ 2Ghz

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-0216:** 16-CH Network Video Recorder

NVR-0216 (HDD NOT included)  
CD Manual / Utility  
Quick Installation Guide  
Power cord