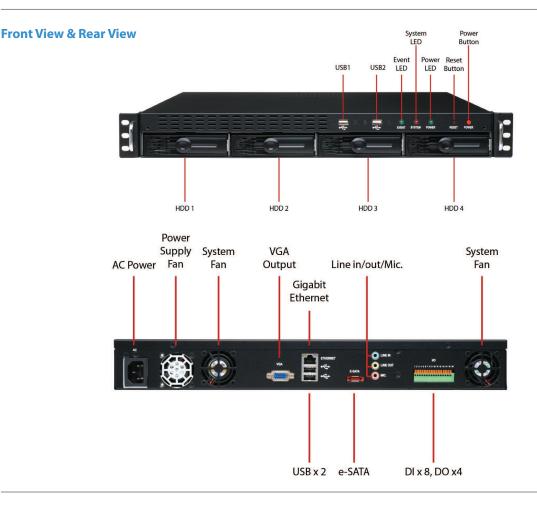# LevelOne

32CH Standalone Network Video Recorder

NVR-0433

H/W Version: 1

The NVR is designed for use within a surveillance system, and performs recordings and playbacks pictures from network cameras in the system. It is an 32-channel network video recorder (NVR) for enterprise applications. It provides uninterrupted recording also in full frame rate 1.3Mp resolution for up to 32 connected cameras. Up to 32 cameras can be connected via a network and it is possible to record their camera pictures. It is possible to perform the settings or operate the NVR using a web browser installed on a PC connected to a network and live videos can be viewed on major mobile devices through its web browser. Recorded video can be played back from remote site by a PC. NVR-0433 is compatible with most major brand cameras and its ability to automatically search and find the available cameras on the network can greatly reduce the user's effort when configuring the system.

Front View & Rear View

Key Features

- Manage up to 32 Network Cameras
- Recording up to 960fps @ 1280x1024
- Backup database through USB
- Export Playback Videos to AVI
- Web-based E-map Event Alert

- Two-way Audio
- Supports E-SATA
- VGA local display
- Mobile Devices Remote Monitoring
- 4 bay, supports RAID 0, 1, 5, 10

Technical Specification

Cameras

Add Camera
Manual/Smart Camera Search

Max. Channels
32

Video

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

Resolution
5 MP/HD/MegaPixel/FD1/CIF/QCIF

Max. Frame Rate
960fps (1.3 MegaPixel, H.264)

Audio

Streaming
Two-way audio

Live View

Display Mode
Live View/Playback/Full Screen

Split Screen
1/4/16/36 (web), 1/4/6/9/13/16/36 (local UI)

Full Screen
1/4/16/36 (web), 1/4/6/9/13/16/36 (local UI)

PTZ Support
Virtual PTZ Panel/Auto Pan/Preset Point/Preset Sequence/
Digital PTZ

Sequence Mode
Sequence All/Manually Selected cameras in 1/4/16 split view
with configurable timer

Snapshot
Video snapshot in JPEG format

E-Map
Motion Detected Event Display on E-Map/Google Map (Web
only)

Mobile Device
Live image view through mobile device's web browser on
iPhone/Blackberry/Android, and "NVR Viewer iPhone app

Playback

Split Screen
1/4/16

Seach 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/SMTP/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/
PTZ/System Options

Triggers & Events

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

Event Actions
Mail/FTP/Buzzer/Record

Event Recording
Pre/Post Event Settings

Power & Storage

UPS
Support External UPS System (firmware v2.2 or later)

Storage
Support SATA x 4, Max. 3TB per drive, ESATA x 1, max. 8TB

Log Types

Log Types
Service/Camera PTZ/Recording/Camera connection/Backup/
Restore

Systems

Mini. Hardware
CPU: Intel Core 2 Duo @ 2.4 Ghz or higher

Requirements
RAM: 1GB or above
Network: 100 Megabit Network Interface or above

Mini. Software Requirements
IE Browser version 7 or above

General

Languages
(Web UI) English/Trad. Chinese/Simp. Chinese/Japanese/
Spanish/Italian/German/Danish/Czech/Polish/French/Russian/
Slovensky/Hungarian/Portuguese/Dutch/Turkey/Finnish(Local
UI) English

Live View

Display Mode
Live View/Playback/Full Screen

Split Screen
1/4/6/9/13/16/36

Full Screen
1/4/6/9/13/16/36

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
Video snapshot in JPEG format

E-Map
Motion Detected Event Display on E-Map
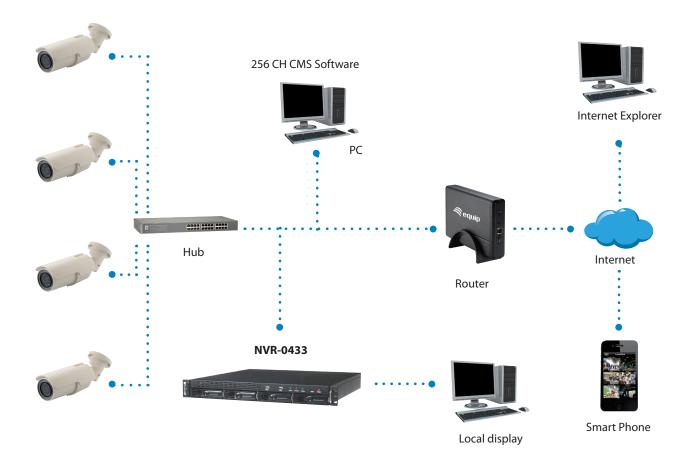
Playback

Split Screen
1/4

Seach Method
Time/Date, Event

Event Search
All/Time/Channel/Event Type/Event ID

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

Other Functions
Digital PTZ/Screenshot

E-Map Monitor
Display
PIP Video integrated on E-Map
Event Display
Pop-up video display on the map
Management
Multi-layer with group management

Event Monitor
Live
Instant event display with thumbnail view
History
Search history event recordings with thumbnail view
Input Devices
Supported input devices
USB mouse/keyboard

Hardware Specifications
CPU & Memory
ATOM D525/2GB DDR2 RAM
Ethernet
10BaseT / 100BaseT/1GBaseT and half duplex / full duplex auto-negotiation duplex auto-negotiation
HDD
SATA HDD Slot x 4 (SATA I or SATA II)
Max. Capacity: 3TB per HDD
E-SATA x 1 (Max. 8TB, 2TB x 4 HDDs)

LED
Power/System/Event
Buttons
Reset/Power
Connectors
USB x 4
E-SATA x 1
Audio line-in, line-out, mic.
Power
200W ATX power supply, 100-240V
Dimensions
462 x 430 x 54 mm
Weight
7kg
Temperature
Operating: 0 to 45°C, 0 to 80% non-condensing
Storage: -20 to 60°C
Humidity
0% ~ 80% (non condensing)
Safety
FCC Class A/CE/UL (power supply only)/BSMI

Product Diagram

256 CH CMS Software

PC

Internet Explorer

Hub

Router

Internet

NVR-0433

Local display

Smart Phone