Titan NVR Rackmount

NVR-4000R

H/W Version: 1

Overview

LevelOne NVR Titan is a 4-Bay SATA Linux-embedded IP video recording system designed for medium and large scale multiple sites and multiple servers deployment. NVR Titan supports up to 64 channels with total throughput up to 250Mbps, meaning enough to record 64 x 5MP IP cameras from one Titan server. Configuration Wizard makes the installation process so easy in just few mouse clicks and automatic camera discovery detects hundreds of different IP cameras from numerous vendors.

Robust Performance

Optimised File Ring structure is designed specifically for long term video recording application to ensure fast access video footage and save disk space at the same time. The NVR features the RAID function that offers data redundancy which helps protect the video data in events of a disk or power failure

Centralized Management

One of the most advanced architecture design in Titan is the master-slave architecture. In this structure, Titan is not merely a single standalone recording machine, but also a bridge linked with multiple Titan servers as well. Operator can get camera list of slave servers simply by accessing the master server along via Client software; the software supports the Windows and Mac OS. In additional, Titan can be managed by your iOS or Android smart devices and the Web browser over the Internet from anywhere, anytime.

Key Features

- Embedded Linux engine with up 250Mbps throughput
- Recording up to 64 channels from single server
- Manage up to 100 servers and live view up to 400 channels
- 4-Bay SATA Bay supports RAID 0, 1, 5, 10 data redundancy protection
- Supports external DAS storage to expand up to 27TB capacity
- Master-slave architecture provides easy management from multiple sites / servers
- Centralized E-Map system allows operator to monitor multiple sites / servers from single point
- Built-in dual Gigabit Ethernet ports
- Supports the Local Display via built-in D-Sub VGA output
- Supports cross platform management via Windows, Mac OS, Apple iOS, Google Android, BlackBerry and IE, Firefox, Safari Browser
- 1U 19 inch rack mount chassis

Works Well With

FCS-5051
Day/Night 2-Megapixel PoE Outdoor Network Camera

FCS-4041
Day/Night H.264 2-Megapixel PoE IP Dome Camera

Technical Specification

Operation OS
Embedded Linux

Channel Supported
4 x Channels (included)
Max 64 Channels (license upgrade)

Video Compression
H.264
MPEG4
MJPEG

Recording Performance
250Mbps
* Approx. 64 x 5MP @ 10fps H.264 Cameras

Recording Mode
Continuous Recording
Schedule Recording
General Motion Recording
Digital Input Event Trigger Recording

Remote Live View
Live View
Preset / Go
PTZ
Panoramic View
Event List
I/O Status List
Instant Playback
Manual Recording
Stream Profile
Snapshot
Multi-View
Digital PTZ
Advanced E-Map
Up to 64 connections per server

Backup
Automatic backup the recorded video data to FTP server

Intelligent Search
General Motion

Local Display
Supports local display via VGA port (16CH)
Support mouse via USB port

Language
English
Deutsch
Spanish
Portuguese (Brazil)
French
Italian
Finnish
Dutch
Swedish
Czech
Polish
Hungarian
Serbian
Russian
Japanese
Korean
Traditional Chinese

Supported Client
PC: Windows, Mac OS
Smart Device: iPhone, iPad, Android, BlackBerry
Web Browser: Internet Explorer, Firefox, Safari

PC Client System Minimum Requirement
OS: Windows XP (32-bit) / Windows 7 (32/64-bit)
CPU: Intel Core 2 Duo 2.6GHz
RAM: 1GB
Graphic Card: Standalone with 1GB RAM or above
Ethernet: 100/1000Mbps

Hardware

Processor
Intel Atom D525 Dual Core 1.8GHz

RAM
4GB DDR3

Storage
4 x SATA II Removable HDD Bay
Up to 3TB per drive, 12TB max. storage (internal)
Hot Swappable
Supports RAID 0 / 1 / 5 / 1+0

Storage - External
Supports DAS via eSATA interface
Up to 15TB (27TB in total, included internal capacity)

Ethernet Port
2 x 10/100/1000Mbps ports

Power
AC100 – 240V
200W Consumption

Dimension & Weight
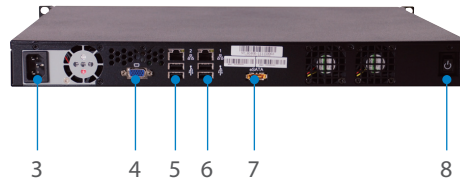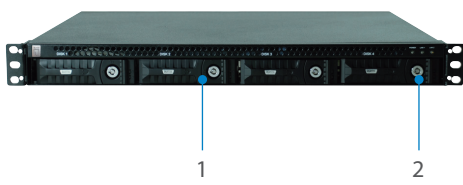441 x 44.5 x 428.8mm
6.3kg

Operation Temperature
0 to 40 Celsius
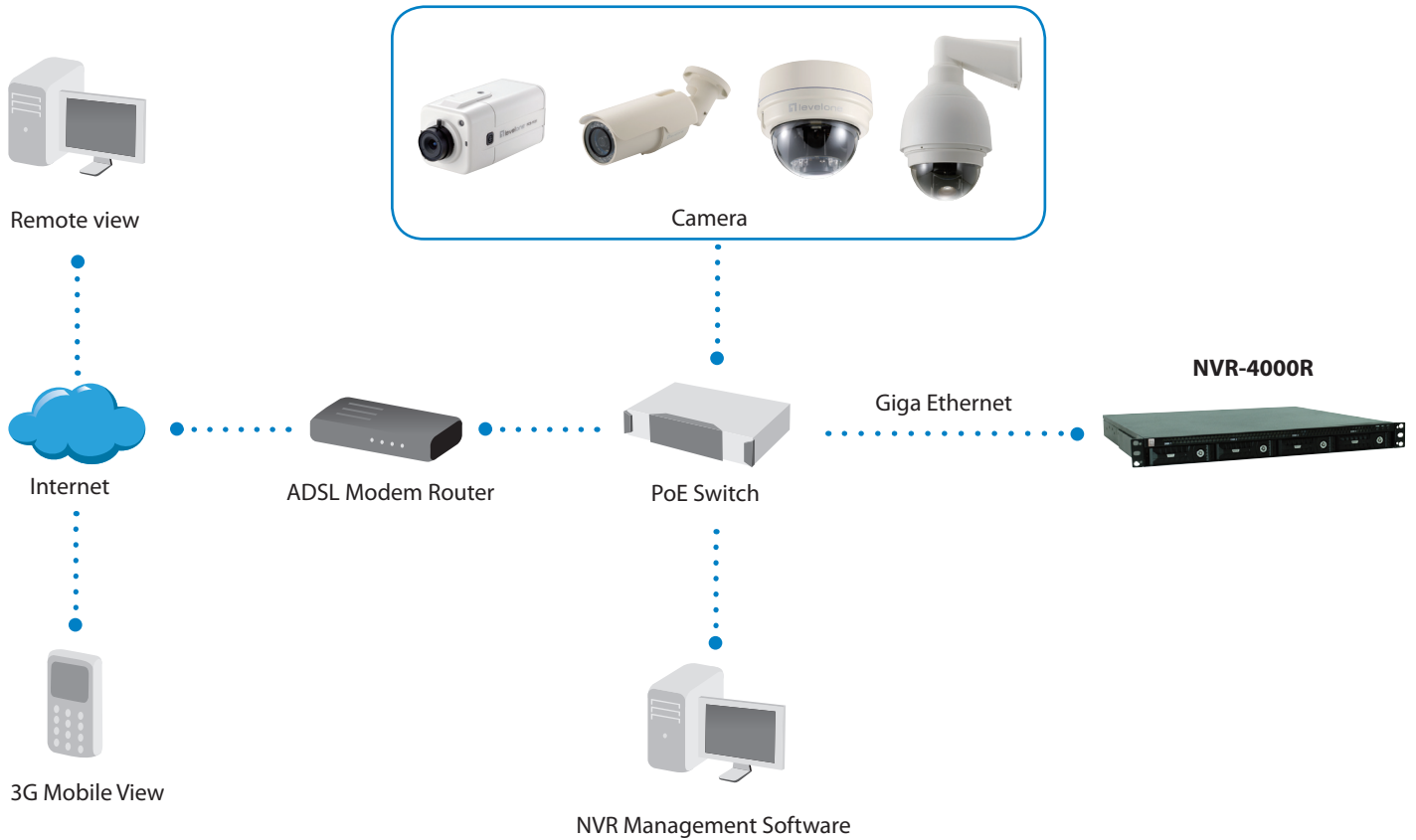
Operation Humidity
5% to 95%

Front View & Rear View

1. SATA HDD Bay
2. LED Indicator
3. Power Socket
4. Local Display
5. Gigabit Ethernet 2
6. Gigabit Ethernet 1
7. eSATA
8. Power Button

1   2   3   4   5   6   7   8

Product Diagram

Remote view

Internet

3G Mobile View

ADSL Modem Router

PoE Switch

Camera

Giga Ethernet

NVR-4000R

NVR Management Software

Order Information

NVR-4000: NVR Titan 4 Bay, 250Mbps, 4CH included, opt up to 64CH, Desktop Case

NVR-4000R: NVR Titan 4 Bay, 250Mbps, 4CH included, opt up to 64CH, 19 inch Rack Mount

NVR-4000-CH: Per cam license for NVR-4000 / NVR-4000R

Package Contents

NVR-4000R (HDD NOT included), CD Manual / Utility, Quick Installation Guide, Power cord