Asoni

16 / 8CH Network Video Recorder
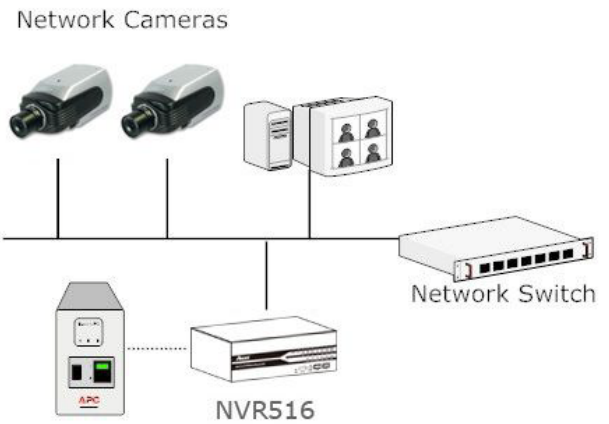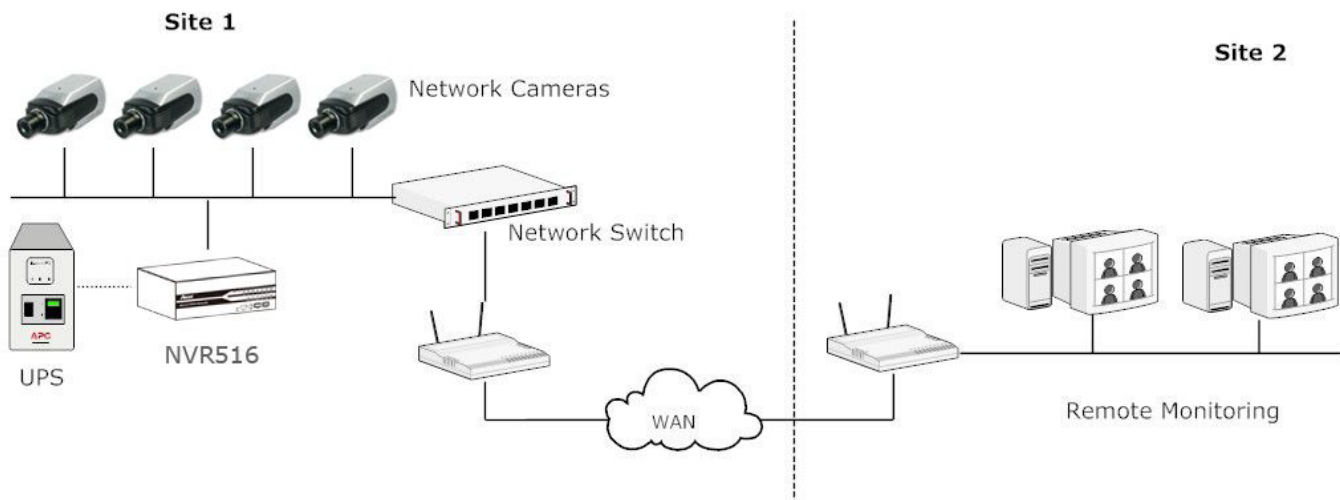
NVR516 / NVR508

▶ Linux-embedded Standalone Recorder

▶ Manage up to 16 / 8 Network Cameras

▶ Up to 480FPS@Full-D1 Video Recording

▶ High Quality Live/Playback Video

▶ Various Types of Event Alerts

▶ Pure Web Based Administration

▶ Multiple User Level Access Control

▶ Free 256CH CMS Software

Asoni NVR can be quickly and easily configured into your existing local IP network along with the network cameras. Users can control, record, and view live videos right through a web browser from another PC on the network.

Asoni NVR 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 effort when expanding the system.

When you are on the road or travel away from your home or office, Asoni NVR gives you the same level of user experience as you are inside your home or office network. Asoni NVR is supported by FREE CMS software which can manage up to 16 units of NVR, maximum 256 channels. Asoni NVR + Central Basic adopt intelligent motion detection feature which applies pixel by pixel calculation technique. During playback mode, the event preview videos can help you to select motion recording files very quickly, easily and intuitively.

Hardware Specification

CPU and Memory
- ARM9 500Mhz / 128MB DDR RAM

Ethernet
- 10BaseT / 100BaseT / 1000BaseT and half duplex / full duplex auto-negotiation

HDD
- SATA HDD Slot x 2 (SATA I or SATA II)
- Max. Capacity: 3TB (1.5TB per HDD)

LED
- Cameras / Power / System / Network / HD / Alarm

Buttons
- Reset / Power / Buzzer

Connectors
- USB x 2
- DI / DO Connectors
- RS-485
- RS-232

Power
- AC 100 ~ 240V, Power consumption: 90W

Dimensions
- 243 x 218 x 72 mm

Weight
- 10 lbs / 4.5 Kg

Temperature
- Operating: 5 °C ~ 45 °C / 41 °F ~ 113 °F
- Storage: -40 °C ~ 70 °C / -14 °F ~ 158 °F

Humidity
- 5% ~ 90% (non condensing)

Safety
- FCC Class B / CE / UL

Software Specification

Cameras

Model	Asoni, Axis, Panasonic, Sony Cameras
Add Camera	Manual / Smart Camera Search
Max. Channels	NVR516: 16CH / NVR508: 8CH

Central Management

Central Management	Support Asoni NVR Central Management Software (CMS)

Video

Compression	MJPEG / MPEG-4 Part 2 / H.264
Resolution	MegaPixel / Full-D1 / CIF / QCIF, or depends on camera
Max. Frame Rate	NVR516: 480fps / NVR508: 240fps (Full-D1)

Live View

Display Mod	Live View / Playback / Full Screen
Split Screen	1 / 4 / 16
Full Screen	NVR516: 16 videos / NVR508: 8 videos
PTZ Support	Virtual PTZ Panel / Auto Pan / Preset Point / Preset Sequence
Sequence Mode	Sequence All / Manually Selected cameras in 1 or 4 split view with configurable timer
Snapshot	Video snapshot in JPEG format

Playback

Split Screen	1 / 4
Search Method	Time / Date, Event
Playback Controls	Play / Pause / Stop / Forward / Reverse / Speed Adjust / Frame by Frame

Recording

Capacity	Depends on hard disk
Recording Mode	Manual / Continuous / Scheduling / Event
Scheduling Types	Manual Select / Day Mode / Night Mode / Weekend Mode

Network

Protocols	HTTP/SMTP/DHCP/ARP/NTP/DNS/ UPnP/FTP
Streaming Protocol	Depend on the supported cameras

User Management

Management	User / Group
Group Numbers	7 (Administrator / Guest / User Define x 5)
Privileges	Live View / Playback / System Configurations / Camera Configurations / 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

Logs

Log Type	Alert / Event / User Access

System

Minimal Requirements	CPU: Intel Pentium 4 or higher @ 2Ghz RAM: 1GB or above Network: 100M Network Interface or above IE Browser version 6 or above

General

Languages	English/Chinese/Japanese/Spanish/Italian
Packaging	NVR (HD NOT included) / CD with Software tool / AC Power Cord

Asoni Central Basic

- ▶ Free CMS software, support up to 16 NVRs (256 Channels)
- ▶ PC based software for managing NVR
- ▶ Various split-window for multiple channels
- ▶ Event notification and auto playback
- ▶ Support 5 monitors for managing multi-task
- ▶ Smart motion detection
- ▶ Picture-in-picture E-Map Monitior

Asoni Central Basic is the central management solution designed specifically for Asoni NVR Network Video Recorder, adding the scalability for NVR to fulfill applications ranging from small to larger businesses' environments. It also adds value to NVR with advance functions such as multi-display management, E-Map Monitor, and motion detection, making the NVR Network Video Recorder a truly valuable surveillance solution for most applications.

Asoni NVR + Central Basic

- ▶ Free CMS software - Asoni Central Basic support up to 16 NVRs (256 Channels)
- ▶ PC based software for managing NVRs, including live view, playback and event monitor
- ▶ Various split-window for view multiple channels
- ▶ Instant event notification and automatic playback
- ▶ Support multi-screens up to 5 monitors for managing multi-task and multi-function
- ▶ Smart motion detection to enhance the detection ability of camera
- ▶ Mouse-over-video PTZ control
- ▶ Picture-in-picture E-Map Monitor
- ▶ Flexible video screen assignment
- ▶ Compatible with Major Brand Cameras
- ▶ Support H.264

* Specifications are subject to change without notice

256 CH	Asoni Central Basic can manage a total of 16 Asoni NVR516 Network Video Recorders. Each NVR516 is capable of connecting 16 network cameras. With Asoni Central Basic, a whopping 256 cameras can be managed from a single PC at one central location.
Motion Detection	Asoni NVR516/508/504B Network Video Recorder does not come with built-in motion detection function. However, with Asoni Central Basic installed on the management PC, motions can be detected and objects moving in the video will be highlighted for easier identification.
Mouse-over-Video PTZ	Asoni Central Basic provides the "Mouse-over-video" PTZ for a more intuitive PTZ control. Simply hover your mouse cursor onto the video and click anywhere within it to point the camera to that position.
H.264	Both Asoni Central Basic and NVR516/508/504B supports the latest video compression technology allowing you to gain the maximum video quality while keeping your network bandwidth sufficient for other applications.
Multi-Monitor	Asoni Central Basic provides multi-screen management allowing users to multi-task with multiple functions on different monitors.
Auto Detect	Asoni Central Basic can automatically detect any new NVR516/508/504B that's been added onto the local area network. This allows users to add additional NVR without knowing its current IP address that helps reduce the management overhead.
Advance E-Map	Asoni Central Basic's dual layer E-Map gives users a clear overview of where NVR516/508/504B and their cameras are located. The top layer displays the locations of each NVR516/508/504B and the sub-layer displays camera locations. Both layers provide on-the-fly instant notifications with videos displayed whenever there is an event trigger.

Technical Specifications

Device

Supported Device	16 x NVR516/508/504B Network Video Recorder
Max. Channels	256 (NVR516), 128 (NVR508), (64)NVR504B

Video

Compression	MJPEG / MPEG-4 / H.264
Resolution	MegaPixel / Full-D1 / CIF / QCIF
Max. Frame Rate	25 / 30 Full-D1 (Configurable)

Audio

Streaming	One-way
Compression	G .711 / G.726 (* G.726 on supported Panasonic Models only)

Live View

Multi-Monitor	Up to five monitors can be automatically detected for viewing different function windows simultaneously
Display Mode	Live View / E-Map View / Event Monitor / Playback / Full Screen x 2
Split Screen	1 / 4 / 6 / 9 / 13 / 16
Pattern Display Mode	User self-define patterns
Full Screen	16 videos
PTZ Controls	Pan /Tilt / Zoom / IRIS / Focus / Speed Control
PTZ Functions	Virtual PTZ Panel / Mouse-over-video PTZ/ Auto Pan / Preset Point
Sequence Mode	Sequence All / Manually Selected cameras in 1/4/6/9 split view / Self-define patterns with configurable timer
E-Map Monitor	Dual Layer E-Map Display (main map and its sub-maps) Live videos display on map
Snapshot	Single / Continuous snapshot in JPEG format
Motion Display	Edge Paint / Matrix Highlight / ROI

Network

Protocols	TCP/UDP/HTTP/FTP/SMTP/DHCP/DNS/ARP/ICMP/NTP/UPnP/RTP/RTSP/RTCP

E-Map Monitor

Display	PIP Video Integrated on E-Map
Event trigger	Pop-up video displayed on the map

Playback

Split Screen	1/4
Search Methods	Time / Date, Event (thumbnails)
Event Search	All / Time / Channel / Event Type / Event ID
Playback Control	Play / Pause / Stop / Forward (Speed adjustable) / Reverse (Speed Adjustable) / Frame by Frame/ Event By Event

Triggers & Events

Motion Detection	Smart Motion Detection/NVR Digital input & output
Motion Display	Edge Paint / Matrix Highlight / ROI
Event Detection	Motion / Digital input & output / NVR508/516 System Status / Camera Status
Event Notifications	On-Screen Alert / On-screen Motion Display / Mail / FTP / Configurable Alert Sound / Record

Status

Camera Status	Disconnected / Connected / Recording / Event (Motion or sensor)
System Info	System Time / Login Users / System Logout / Network Bandwidth
Motion Display	Edge Paint / Matrix Highlight / ROI

Systems
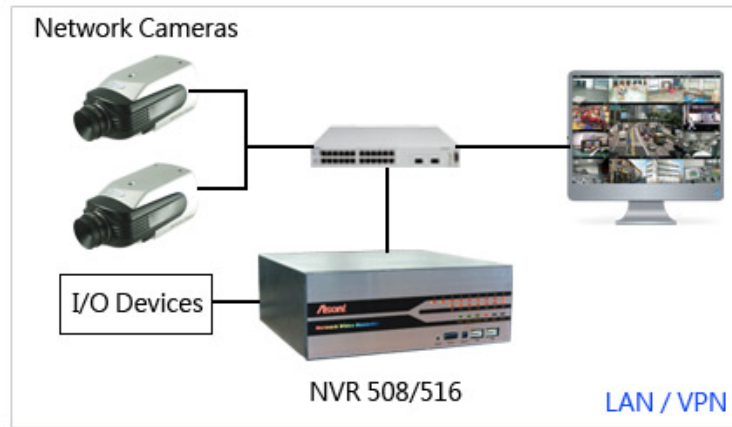
Minimum. Requirements	**CPU**: Intel Pentium 4 or higher @ 2Ghz **RAM**: Minimum 1GB, 2GB or above is recommended **Graphic Card:** Independent graphic card with DirectX9.0c or higher **Network:** 100 Megabit Network Interface or above **OS:** Windows XP, Vista, Windows 7

General

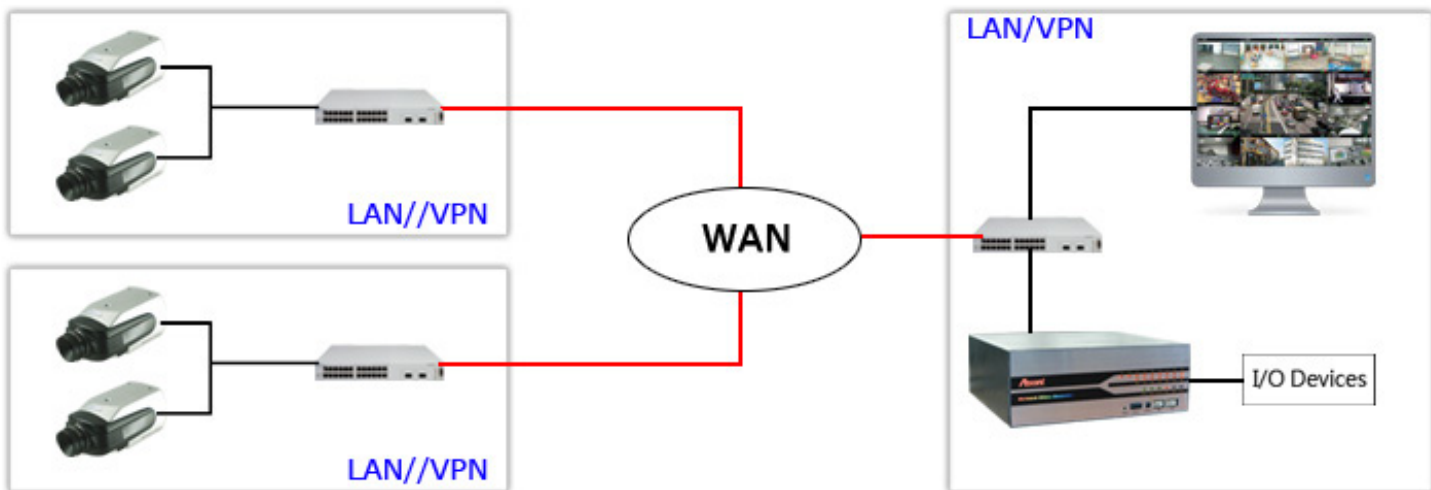|	
Languages	English / Trad. Chinese / Simp. Chinese / Japanese / Spanish
Documents	CD with quick guide and user's manual

Small

Network Cameras

I/O Devices

NVR 508/516

LAN / VPN

Medium

LAN//VPN

LAN//VPN

LAN/VPN

WAN

I/O Devices

Large

LAN//VPN

LAN//VPN

I/O Devices

I/O Devices

WAN

LAN//VPN

LAN//VPN

I/O Devices

I/O Devices

Remote Monitoring

LAN/VPN