



AirGoggle™ NVS460H

H.264 1-Channel Audio/Video Server

The AirGoggle NVS460H is the all-in-one 1-channel high performance H.264 & Motion JPEG multi-codec audio video server for converting CCTV and analog A/V sources into digital video surveillance. The all new H.264 video compression technology is an open standard offering the most efficient video compression techniques available today. The Inscape Data H.264 IP video surveillance A/V server can reduce the size of a live digital video surveillance transmission by several factors more than Motion JPEG format and even more than MPEG-4 Part 2 standard. The reduction in network bandwidth and storage space means video transmission of greater picture quality is now possible utilizing the same network infrastructure. It also means much higher video quality can be streamed and archived for a given bit rate than Motion JPEG or MPEG-4. Inscape Data Corporation's H.264 IP video surveillance solution simplifies wireless transmission of point to point or point to multipoint IP video surveillance.

The AirGoggle one-channel H.264 IP audio/video server offers full motion real time video encoding quality up to 720x480 D1 30 frames per second. High quality A/V are streamed and captured from the NVS460H with crisp and vivid details. Choose from NVM1000 free 64 channel video software or professional NVM2000 licensed network video recorder with analytics software to monitor, record, and playback of the video streams provided by the AirGoggle IP Video surveillance cameras. For analogue A/V audio output, the AirGoggle NVS470H H.264 decoder will convert Inscape Data H.264 IP video surveillance cameras and servers into compliant audio and video sources to use with CCTV monitors, DVR recording, access control, or 3rd party applications.

KEY FEATURES & BENEFITS

- ▶ **H.264 & MJPEG Dual Codec Operation**
State of the art H.264 digital video encoding allows for the highest quality D1 video at the lowest bandwidth possible. Motion JPEG (MJPEG) digital still video encoding allows for high quality recording and playback.
- ▶ **Multiprofile Streaming**
High performance streaming profiles offers 3 streams of different resolution & frame rates providing IP video flexibility for the most demanding IP video applications.
- ▶ **802.3af Power over Ethernet (PoE)**
Run up to 300 feet or 100 meter of network cable away from the power source with optional 48VDC PoE Injector
- ▶ **Mobile Phone Support**
Supports the latest Iphone & Android smart phones for real time 24x7 access to the video information most important to you
- ▶ **CCTV Camera 12VDC Power Port**
Integrated power port to conveniently power the CCTV camera from the NVS460H
- ▶ **Small Form Factor**
Integration friendly form factor to easily surface mount the NVS460H anywhere
- ▶ **Synchronized Audio/Video and Two-Way Audio Communication**
Audio line in and line out interface(s) with software selectable audio feature provides synchronized audio surveillance and announcement capabilities from the monitoring station
- ▶ **Event Driven Real-Time Notification**
The integrated sensor input, alarm output, and video motion detection provides actionable event trigger functionality able to send a video clip via email or FTP and turn on/off external relays

APPLICATIONS



AIRPORTS

Regardless if it is inside or outside of an airport, Inscape Data offers total wired or wireless IP based video security solutions that will save on your installation cost and make your monitoring more efficient



METROPOLITAN STREETS

Inscape Data's wired and wireless IP based video security solutions will save on your installation cost and make the streets and metropolitan safer



BUILDINGS

Inscape Data's wired and wireless IP based video security solutions will save on your installation cost and make your buildings more secure

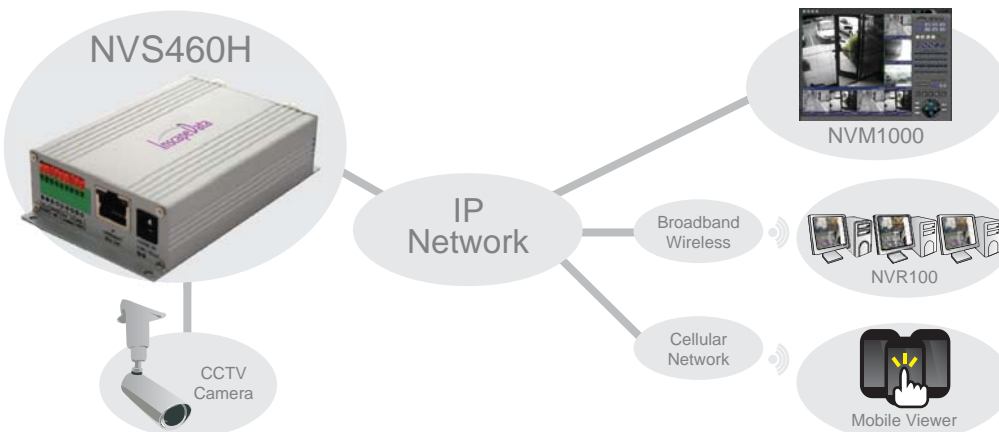


SCHOOL CAMPUS

Regardless if it is inside classrooms or on a campus, Inscape Data's wired and wireless IP based video security solutions will save on your installation cost and make monitoring easier

- ▶ **Embedded Streaming Web Server**
The suite of functions from the embedded streaming web server make accessing real-time video easy from any Internet Explorer enabled computer

SYSTEM CONFIGURATIONS



Client PC System Requirements

Minimum PC Specifications
CPU: Pentium III, 700MHz
Main Memory: 128MB
Web Browser: MS Internet Explorer 4.0 or Newer
Resolution: 800x600 or Higher
Network: Ethernet 10 Base-T LAN

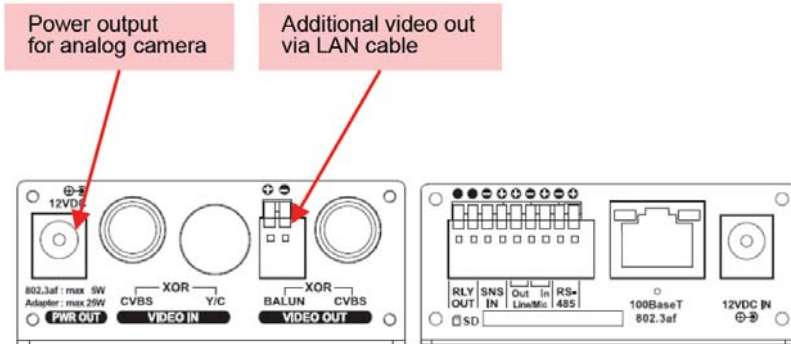
Recommended PC Specifications
CPU: Pentium 4, 1.5GHz
Main Memory: 256MB
Web Browser: MS Internet Explorer 5.0
Resolution: 1024x768
Network: Ethernet 10 Base-T LAN

		NVS460H
Video	180 Degree Video Rotation	ENABLE/DISABLE
	Privacy Masking	Yes
	OSD Time Display	ON / OFF 4 Position
Image (NTSC/PAL)	Compression Format	Dual Codec H.264 & MJPEG Up to 30/25 fps
	Resolution	NTSC: D1(720x480), Half D1(720x240), CIF (352x240), QCIF (176 x 144) PAL: D1(720x576), Half D1(720x288), CIF(352x288), QCIF(176x144)
	Maximum Frame Rate	Up to 30/25 at all resolutions Configurable to 1, 4, 8, 15, 20, 30 fps
	Video Encoding Rates	32kbps ~ 3000 kbps
Audio	Audio Compression	Upstream: 32kbps G.726 ADPCM Line-In & Mic-In ENABLE/DISABLE Downstream: 128kbps 16-bit Linear PCM - Lin-Out
Network	Protocols	HTTP, HTTPS, Upnp, SOCKS, TCP/IP v4/v6, RTSP, RTCP, SDP, UDP, IGMP, ICMP, ICMP v6, SMTP, FTP, DHCP, ARP, RARP, DNS, NTP, PPPoE
	Other network settings	Clone MAC address, HTTP/RTSP Port change
	Maximum User Access @ Video Rate	40@160kbps, 14@512kbps, 7@1000kbps, 2@3000 kbps
	Security	Multi-User Viewing Authentication, IP Address filtering, HTTPS Encryption, Digest Authentication, User Access Log
	Alarm and Event Management	Event Trigger Email, FTP, or Recording Based on Video Motion Detection or External Sensor Input
	Embedded Web Server	Instant access to live streaming video & full p/t/z functionality via Internet Explorer
	Data Transmission	User Selectable Unicast or Multicast
	Pre / Post Alarm Recording	5s / 5s
	Dynamic DNS Management	Supported via free service at net-video.net
Interface	Network	10 BaseT / 100BaseTx
	Serial	RS-485 multiprotocol support for P/T/Z (Pelco D driver loaded)
	I/O Port(s)	1 2-pin sensor input, 1 2-pin relay output
	Audio Line Output	1 port 2-pin 0.88Vp-p
	Audio Line Input	1 port 2-pin 1.6Vp-p
	Video In	CVBS / Y/C
	Video Out	BALUN 2-pin / CVBS
	Power Connector Type	2.5mm Barrel, Center Pin Positive Input & Output
System Requirements	Hardware Reset	Reset Button
	Operating System	Microsoft Windows 2000 / XP / 2003 / Vista / Windows 7
	Processor / Memory	CPU: Intel Duo Core / 1GB
	Network Video Recorder Software - 16 Ch.	CPU: Intel Core i3 / 2GB / 256MB Dedicated Video Memory
Management	Browser	Microsoft Internet Explorer Ver 7.0 or higher
	HTTP Software	Yes
Environmental	Construction	Body(Aluminum)
	Dimension(W x H x D) w/o Lens	66 x 113 x 28 mm (3" x 4" x 1" Inches)
	Weight	195 g (0.42 lbs)
	Storage Temperature	-20°C~70°C (-4°F ~158°F)
	Operating Temperature	0°C~45°C (32°F ~113°F)
	Operating Humidity	8 ~80% RH Non-Condensing
Power	Power Consumption	4.5W
	Power Supply (PoE)	802.3af / 48VDC
	Power Supply (Local)	12VDC / 2.5 A
Compliance		

DIMENSIONS



INTERFACES



PACKAGE CONTENT

- NVS460H Server
- Product CD ROM
- Switching Power Supply (12 V DC 1.5A)



THE LEADING
OUTDOOR NETWORK
APPLIANCE COMPANY

Product Information Online: <http://www.inscapedata.com/nvs460.htm>

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Total Turnkey Solutions for Outdoor PoE, Wired/Wireless, and IP Video Applications