



**NVS480**  
4-Channel  
Audio/Video Server



**NVS460**  
1-Channel  
Audio/Video Server



**NVS480R/480RH**  
4-Channel Audio/Video Server  
(built-in DVR with up to 2048 HDD)

## AirGoggle™

# NVS460/NVS480/NVS480R/NVS480RH

## Professional IP Video Audio Server Series

The AirGoggle NVS Server series is an all-in-one high performance professional network audio video server, for analog CCTV and NVC AirGoggle cameras, available in single channel-NVS460, quad channel-NVS480, and quad channel with DVR-NVS480R. The hybrid recording feature of both CCTV and NVC AirGoggle IP cameras is only offered by the NVS480RH. It offers full D1 720x480 video resolution and efficient network real-time streaming via MPEG-4 video streaming technology which is bandwidth and storage friendly. It is the industries most efficient network video server with adjustable video rate control from 32kbps to 3mbps.

The all-in-one concept support many popular RS-485 protocol for total PTZ control with 3rd party PTZ dome models, Sensor and relay I/O support many access control and sensor modules, and full backend video management support via NVR100 16 channel or NVM1000 64 channel version software makes the high-performance AirGoggle NVS series video server ideal for professional security surveillance applications.

### Key Features & Benefits

- Highly efficient MPEG-4 video compression (100:1) at least 10 Times more efficient, in terms of the network bandwidth usage, when it is compared to Motion JPEG (M-JPEG)
- Full D1 resolution (720x480 VGA) with de-interlacing filter
- OSD (On Screen Display) support for date & time display
- Local Quad display support (monitor out)
- Motion detection and event triggered alarm processing
- 4-Channel Audio/Video input output and bi-directional audio communication supported
- Remote P/T/Z control over the network
- MPEG-4 (36Kbps -3 Mbps) for video based on ISO Standards
- ADPCM (32Kbps) for audio based on ISO Standards
- Video Resolution NTSC: 720X480 (encoded, 704x480 displayed) PAL/SECAM: 20x288(encoded, 720x578 displayed), 352x288 (CIF), 176x144(QCIF)
- Frame Rate NTSC: max 30 frames/sec PAL/SECAM: max 25 frames/sec
- Local Quad display support (monitor out)
- Embedded Streaming Server transmitting synchronized video and audio data in a single channel simultaneously
- Display mode on client PC viewer Full screen, 720x480, 320x240, 160x120
- Packaged with a free user-friendly NVR100 Client Viewer & Video Recorder Software
- Hardware includes 32bit RISC embedded processor (206MHz), Flash Memory: 4Mega Bytes and SDRAM: 32 Mega Bytes
- Multi-zone motion detected alarm
- Sensor triggered one alarm input & one relay output
- Event triggered or periodic data transmission to remote server (FTP and/or email)
- Capability to save and retrieve audio/video stream & still image
- Active-X based viewer program (1CH, 16CH)
- Easy brightness/contrast control
- Automatic download and installation
- Multiple Access Network Provided IEEE 802.11b, Ethernet, ADSL Modem, Cable Modem
- Supported Protocols: TCP/IP, ARP, ICMP, HTTP, SMTP, FTP, DHCP, RTP, RTSP, SDP, PPPoE
- User Registration and Password Protection Capability
- System Development Kit (SDK) offers APIs for software integration of video applications
- 8 CH Hybrid Recording: 4 CH CCTV & 4 CH IP Camera Video Server

### 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

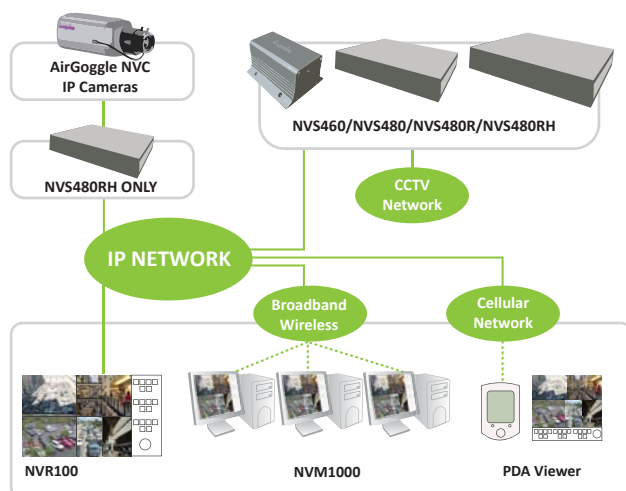
Inscape Data's wired and wireless IP based video security solutions will save on your installation cost and make your buildings more secure



#### 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

### System Configurations



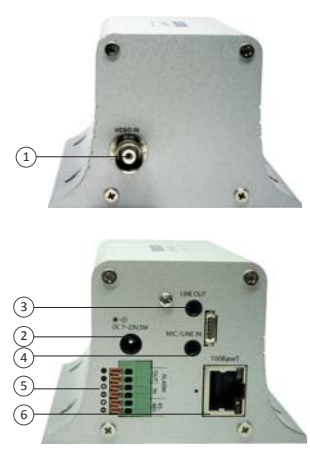
#### Client PC System Requirements

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

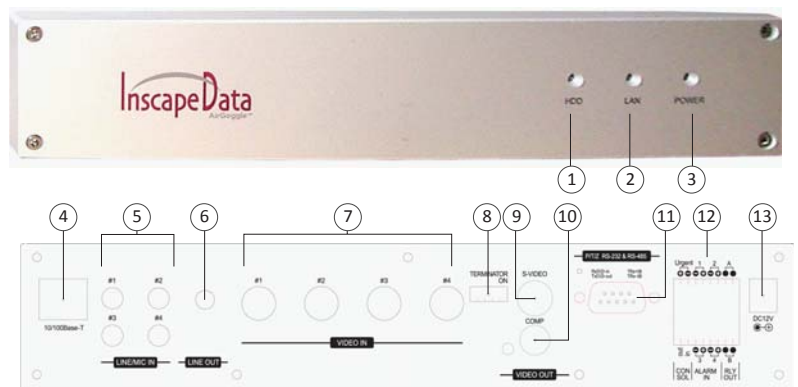
	NVS460	NVS480	NVS480R	NVS480RH
<b>Network Server</b>				
Number of Channel Audio/CCTV Video Input Output Supported	1	4	4	4
Number of Channel Audio/IP Video Input Output Supported	0	0	0	4
<b>Video Compression</b>				
MPEG-4 (36Kbps -3 Mbps) for video	•	•	•	•
<b>Max Video Resolution</b>				
NTSC: 720X480, 2048GB HDD	•	•	•	•
PAL/SECAM: 720x480, 352x288(CIF), 176x144(QCIF)	•	•	•	•
<b>Frame Rate</b>				
NTSC: VGA (max 30 frames/sec)	•	•	•	•
QVGA (max 120 frames/sec)	•	•	•	•
PAL/SECAM (max 25frames/sec)	•	•	•	•
<b>P/T Control</b>				
RS-485 Multi-Vendor Interface	•	•	•	•
<b>ActiveX Viewer Software</b>				
1CH to 16CH Selectable	•	•	•	•
<b>Bidirectional Audio</b>				
ADPCM (32Kbps) for audio	•	•	•	•
<b>Security</b>				
User Registration and Password Protection	•	•	•	•
<b>Alarms and I/O Control</b>				
Motion detected alarm and Sensor triggered one alarm input & one relay output	•	•	•	•
Event triggered or periodic data transmission to remote server (FTP and/or email)	•	•	•	•
<b>Network Access and Protocols Supported</b>				
TCP/IP, ARP, ICMP, HTTP, SMTP, FTP, DHCP, RTP, RTSP, SDP, PPPoE, Ethernet	•	•	•	•
<b>Multiple Access Network Provided</b>				
Ethernet, ADSL Modem, Cable Modem	•	•	•	•
<b>Client Viewer Software</b>				
Active-X based client viewer program (1CH, 16CH)	•	•	•	•
Capability to save and retrieve audio/video stream and still image	•	•	•	•
Automatic download and installation	•	•	•	•
<b>Power</b>				
DC 12Volt/ 1A/ SMPS	•	•	•	•
<b>Regulatory Approval</b>				

1. Video Output
2. Power Input
3. Audio Out
4. Audio In
5. Alarm In / Alarm Out / RS485
6. 10/100 Ethernet



## System Interfaces For NVS480/NVS480R

1. Recording Activity Light – 480R Only
2. LAN connectivity and activity light
3. Power light
4. 10/100 Ethernet Port
5. Audio Channel 1 through 4 Input
6. Lineout
7. Video Channel 1 through 4 Input
8. Terminator Switch
9. Local Video output S-video (480R Only)
10. Local Video output Composite (480R Only)
11. Local Video output VGA (480R Only)
12. Alarm In, Relay Out, and RS-485 port
13. Power Input



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OUTDOOR NETWORK  
APPLIANCE COMPANY**

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

NVS460: <http://www.inscapedata.com/nvs460.htm>  
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