



AirGoggle™ NVC210 Series Professional Fixed Box Day/Night IP Video Cameras

The AirGoggle™ NVC210 Series are all-in-one high-performance professional fixed day and night IP surveillance cameras. Both come standard with an auto-iris vari-focal lens. The NVC210 series camera delivers crisp full D1 high quality MPEG-4 full motion real-time video across an IP network. The convenient option of Power over Ethernet enables power and data over a single network cable. The NVC210R2 and NVC210WD network cameras have a compact aluminum bodies for installation onto vertical or horizontal mounting surface. When used for outdoor surveillance, a wide selection of complementary camera housing accessories and lenses are available. High performance and reliable design, along with a host of convenient features, makes the AirGoggle™ NVC210 series cameras ideal for indoor or outdoor* professional security surveillance applications.

The NVC210WD model with wide dynamic range has an added benefit of digital pixel technology. Wide dynamic range tackles severe backlight and glare issues by dynamically compensating contrast to deliver uniform steady clear video images. The digital pixel technology brings true digital performance throughout the entire real-time encoding process from the moment an object is captured through the lens to the encoded images across the network. The synergy of these two enhancement technologies brings forth the best signal to noise and low light sensitivity in its class for the most demanding video surveillance applications.

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

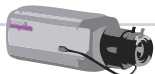


SCHOOL CAMPUS

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

Bi-directional audio



NVC210 Series

Audio Output
 Allows remote audio announcements via the local loudspeaker

Sensor Input
 Sensor devices like door switches or audio sensor can be used to trigger alarm recording or send notifications

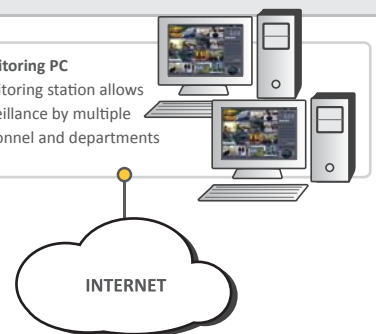
Audio Input
 Allows microphone input for audio surveillance

Relay Output
 Use the camera to turn on external devices. i.e. alarms or lights

Surveillance and Recording PC
 NVM1000/NVM2000 software allows full management of multiple network cameras including scheduled recording, real-time monitoring and video playback

UPS Backup
 An uninterrupted power supply is ideal to use with network video cameras. It provides continued surveillance during power outages

Monitoring PC
 Monitoring station allows surveillance by multiple personnel and departments



IP Network

Key Features & Benefits

Wide Dynamic Video Technology

Available with NVC210WD to ensure details of high contrast scenes to appear clear with accurate color in both bright and dark areas simultaneously

802.3af Power over Ethernet (PoE)

PoE eliminates power connection at the camera location. The convenience of running a single network cable eliminates the need for power sources near the camera

IR Sensitive True Day and Night Functionality

Removable infrared-cut filter provides color video when there is sufficient light and black & white video in dark environments. The high performance image sensor is IR sensitive for pitch black operation when used with an infrared illuminator

High Quality Full Motion IP Video Codec

Stream full motion D1 720 x 480 live color video images across a local or wide area network. Network connected computers can monitor, record, and playback security video with ease

Multi-Region Motion Detection

Increase motion sensitivity in multiple regions you specify or mask areas where motion is allowed for precise motion detection control

MPEG4 + JPEG Streaming

Dual Streaming for mobile WAP network

Embedded Streaming Web Server

The suite of function from the embedded streaming web server makes accessing real-time video easy from any Internet Explorer enabled computer

Event Driven Real-Time Notification

The integrated sensor input, alarm output, and video motion detection provides actionable event trigger capable of sending a video clip via email or FTP and turn on/off external relays

Synchronized Audio/Video and Two-Way Audio Communication

Audio line in and line out interface(s) with software selectable audio features provide synchronized audio surveillance and announcement capabilities from the monitoring station

Full Featured 64 Channel Professional Network Video Monitoring and Recording Software

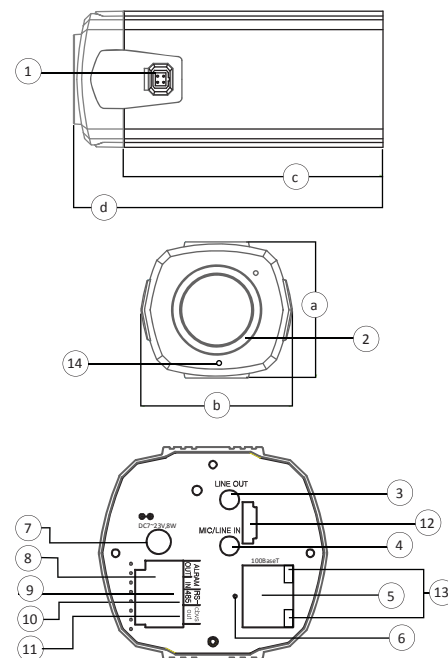
Included with this product purchase is a license-free copy of 64 channel full featured network video monitoring and recording software for Windows PC. User will be able to manage alarms, trigger relays, enable two-way audio communication, schedule recording, setup alarm recording, playback pre-recorded video, user selectable video storage location, and much more

Model Selections

Model	Color	D/N Day:color Night: Black/White	Wide Dynamic
NVC210R2	✓		
NVC210R2-DN	✓	✓	
NVC210WD	✓		✓
NVC210WD-DN	✓	✓	✓

NVC210R2/NVC210R2-DN NVC210WD/NVC210WD-DN

Camera		1/3" Sony Super HAD CCD	Sony WDR
Image Sensor		INTERLACE / INTERPOLATE	
Scanning System			
Total Image	NTSC	811(H) x 508(V) 410K	742(H) x 552(V) = 409584
Pixels	PAL	795(H) x 596(V) 470K	
Number Of	NTSC	768(H) x 494(V) 380K	
Effective Pixels	PAL	752(H) x 582 (V) 440K	720(H) x 540(V) = 388800
Horizontal resolution		480 TV Lines	
Lens		DC-Iris Varifocal F1.4 / 3.5-8mm, Removable	
Horizontal Field of View		36 Degrees to 80 Degrees	
Minimum Object Distance		0.1 meter	
Lens Aperture		1.4	
Lens Mount		C/CS	
Lens Iris Support		DC Iris or ELC	
DC Level Adjustment		32 Level	
Sharpness		15 Level	
Day & Night modes		Auto	
Digital Slow Shutter		None	
Minimum Illumination		0.3 Lux / 0.03 Lux B/W	
Luminance S/N Ratio		More than 48dB(AGC Off)	
180 Degrees Video Rotation		Enable / Disable	
OSD Time Display		On/Off 4 Position	
Image (NTSC/PAL)			
Compression Format		MPEG-4 Up to 30/25fps at D1 resolution / JPEG for WAP up to 4fps	
Resolution		NTSC: D1 (720x480), Half D1 (720x240), CIF (352x240), QCIF (176x144) PAL: D1 (720x576), Half D1 (720x288), CIF (352x288), QCIF (176x144)	
Maximum Frame Rate		Up to 30/25 at all resolutions (Available: 1, 4, 8, 15, 20, 30)	
Video Encoding Rate		32kbps ~ 3000kbps	
Audio			
Audio Compression		Synchronized ADPCM Enable/Disable (32kbps) Bi-Directional using PCM	
Network			
Protocols		HTTP, TCP/IP, RTSP, UDP, IGMP, SMTP, FTP, DHCP, ARP, 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@3000kbps	
Security		Multiple-User Viewing Authentication, IP Address Filtering, 128bit Encrypted Data Stream	
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		Unicast	
Dynamic DNS Management		Supported via free service at mgmt.airgoggle.com	
Interface			
Network		10 BaseT / 100BaseTx / 802.3af PoE (RJ45)	
Serial		RS-485 multiprotocol support for P/T/Z (Pelco D driver loaded)	
I/O Port(s)		1 sensor input, 1 relay output	
Audio Line Output		1 port 3.5 mm 3 conductor Mini-jack (tip, ring, sleeve) 0.886Vp-p	
Audio Line Input		1 port 3.5 mm 3 conductor Mini-jack (tip, ring, sleeve) 1.6Vp-p	
Microphone		Embedded Microphone Enable or Disable From Software	
Composite Video Out		2 Pin, Composite (1 V p-p), 75 Ohm	
Power Connector Type		2.5 mm Barrel connector, Center Pin Positive	
Hardware Reset		Reset button	
System Requirements			
Operating System		Microsoft Windows 2000/XP/2003	
Processor / Memory		CPU: Intel Pentium IV 1.8GHz/512MB	
Network Video Recorder Software-16 Ch.		CPU: Intel Pentium IV 3GHz/512MB	
Browser		Microsoft Internet Explorer V5.0 or Higher	
Management			
HTTP		ActiveX Supported Web Browser	
Software		IP Camera Network Configuration (Windows)	
Environmental			
Construction		Body(Zinc/Aluminum)	
Camera Dimensions (W x H x D)		64 x 57 x 137 mm (2.5" x 2.3" x 5.4")	
Lens Dimension		32 x 45.8 x 51 mm	
Weight		560g (1.23lbs)	
Storage Temperature		-20°C~70°C (-4°F ~149°F)	
Operating Temperature		0°C~45°C (32°F~140°F)	
Operating Humidity		8 ~80% RH Non-Condensing	
Outdoor Usage		Recommend Optional Camera Housing with Heater and Blower	
Power			
Power Consumption		10W	
Power Supply (PoE)		802.3af / 48V DC	
Power Supply (Local)		12 V DC	
Compliance		FC CE RoHS	



Camera Dimensions

a. 57.6mm b. 64.0mm c. 109.5mm d. 137.0mm

Camera Interfaces and Parts

- | | |
|---------------------------|--------------------------------------|
| 1. Auto Iris Connector | 9. Alarm / Sensor Input Connector |
| 2. CS Lens mount ring | 10. RS-485 connector |
| 3. Audio Line Out | 11. Composite Video Out |
| 4. Audio / Mic Line In | 12. Not Used |
| 5. RJ45 Jack | 13. Network Link/ Activity Indicator |
| 6. Hardware reset pin | 14. Integrated Mic |
| 7. Power connector | |
| 8. Relay Output Connector | |

Video Accessories

PCHB1300

PoE Ready, All Weather Cable Management Heater & Blower
-30°C to +60°C
Camera Housing (CH100HB)
Housing Bracket (CB300)



PCHB2200

PoE Ready, All Weather Standard Encloser Heater & Blower
-30°C to +60°C
Camera Housing (CH200HB)
Housing Bracket (CB200)



PCHB3100

PoE Ready, All Weather Extended Length for Optional Camera Lens Heater & Blower
-40°C to +60°C
Camera Housing (CH300HB)
Housing Bracket (CB100)
*Optional Wiper



PIA100

48VDC Integrated PoE Power Adapter for NVC210WD



Compatibility



* Included with purchase
** Available for purchase

Package Contents

- Camera Body
- Lens Auto-Iris Varifocal Lens 3.5 ~ 8mm (CS Mount)
- Lens Adapter C to CS Mount
- DC Iris Lens Connector Kit
- Back Focus Adjustment Wrench
- Switching Power Supply 12VDC 1.5A
- Swivel Arm Surface Mount Bracket with screws
- Product CDROM



**THE LEADING
OUTDOOR NETWORK
APPLIANCE COMPANY**

Product Information Online: www.inscapedata.com/nvc210.htm

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