



## Key Features & Benefits

### Wide Dynamic Video Technology

Available with NVC300WD to ensure details of high contrast scenes to appear clear with accurate color in both bright and dark areas simultaneously

### 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

### 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

### 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 functions from the embedded streaming web server makes accessing real-time video easy from any Internet Explorer enabled computer.

### 3 Axis Lens Mechanical Adjustment

The 3 axis adjustable lens allows surveillance images to be upright if the dome camera is installed on a wall or ceiling

### 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	IR	Wide Dynamic
NVC300R2	✓			
NVC300R2-DN	✓	✓		
NVC300R2-DN-IR	✓	✓	✓	
NVC300WD	✓			✓
NVC300WD-DN	✓	✓		✓

# AirGoggle™ NVC300 Series

## Professional Fixed Minidome IP Video Camera

The AirGoggle NVC300R2 and NVC300WD are all-in-one high-performance professional fixed minidome day and night IP surveillance cameras. Both come standard with an auto-iris vari-focal lens. The NVC300R2 and NVC300WD cameras deliver crisp full D1 high quality MPEG-4 full motion real-time video across an IP network. The convenient option of Power over Ethernet allows power and data over a single network cable. The NVC300R2 and NVC300WD IP cameras have a 3-axis lens adjustment for easy installation onto vertical, horizontal, or diagonal mounting surfaces. Reliable and high performance design, along with a host of convenient features, makes the AirGoggle NVC300R2 and NVC300WD fixed minidome IP cameras ideal for indoor professional security surveillance applications.

The NVC300WD 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 objects are 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



### NVC300 Series



#### Audio Output

Allows remote audio announcements via the local loudspeaker



#### Audio Input

Allows microphone input for audio surveillance



#### Sensor Input

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



#### 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

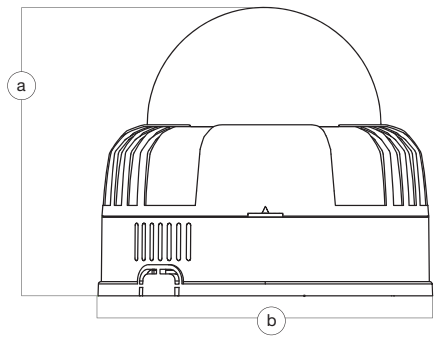


IP Network

## NVC300R2 NVC300R2-DN NVC300R2-DN-IR

## NVC300WD NVC300WD-DN

Camera		Sony WDR	
Image Sensor	1/3" Sony Super HAD CCD		
Scanning System	INTERLACE / INTERPOLATE		
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	720(H) x 540(V) = 388800	
Effective Pixels	PAL 752(H) x 582 (V) 440K		
Horizontal resolution	480 TV Lines		
Lens	DC-Iris Varifocal Lens (f=3.3~12mm), Not Removable		
Horizontal Field of View	38 to 97 Degrees		
Minimum Object Distance	0.4Meter		
Day & Night modes	AUTO		
Digital Slow Shutter	None		
Minimum	Normal mode	0.33 Lux	
Illumination	Night (B/W) mode	0.03 Lux	
Luminance S/N Ratio	more than 50dB (AGC off)		
180 Degrees Video Rotation	ENABLE/DISABLE		
OSD Time Display	ON/OFF 4 Position		
White Balance	None		
Image (NTSC/PAL)			
Compression Format	MPEG-4 up to 30/25 fps at D1 resolution / JPEG for WAP up to 4 fps		
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 resolution (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, IGM, 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	Multi-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)		
I/O Port(s)	1 Sensor input, 1 Relay output		
Audio Line Output	1 port 3.5mm 3 conductor Mini-jack (tip, ring, sleeve) 0.886Vp-p		
Audio Line Input	1 port 3.5mm 3 conductor Mini-jack (tip, ring, sleeve) 1.6Vp-p		
Composite Video Out	2 Pin, Composite (1 V p-p), 75 Ohm		
Power Connector Type	2.5 mm Barrel, Center Pin Positive		
Hardware Reset	Reset Button		
System Requirements			
Operating System	Microsoft Windows 2000/XP/2003		
Processor / Memory	CPU: Intel Pentium IV / 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 (Polycarbonate / ABS)		
Camera Dimensions (D x H)	Ø161.8 x 113.3mm (Ø6.3" x 4.5")		
Weight	580g (1.28 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		
Outdoor Usage	Not Recommended		
Power			
Power Consumption	10W		
Power Supply (PoE)	802.3af / 48V DC		
Power Supply (Local)	12 V DC		
Compliance			



- a. 113.3mm
- b. 161.8mm



Bottom View

## Video Accessories

### PIA100

48VDC Integrated PoE Power Adapter for NVC210WD



## Package Contents

1. IP Camera with Integrated Lens
2. Power Supply 12VDC 1.5A
3. 3pcs 1" Surface Mount Screw
4. Guide Pattern Mounting Template
5. Product CDROM

## Compatibility

### 1. NVM1000\*



### 2. NVR100\*



### 3. NVM2000\*\*



- \* Included with purchase
- \*\* Available for purchase