



AirGoggle™ NVC1000H Series H.264 Indoor IP Mini Speed Dome Video Camera

AirGoggle NVC1000H Series H.264 Indoor IP Speed Dome Video Camera uses a dual codec supporting H.264 & Motion JPEG digital video compression standards. With full D1 720x480 H.264 video resolution and efficient network real-time streaming, the NVC1000H series PTZ speed dome IP video camera provides high quality digital video without the high demand of network bandwidth. Standard features sets of the NVC1000H include selectable ADPCM audio, event-driven recording video motion detection or quad external sensor inputs, pan / tilt / zoom to 165 preset location, and integrated IP video web server. In addition, the NVC1036WDH model is designed with a Pixim CMOS WDR Image Sensor for viewing in extreme lighting situations and more clearly in darkness, and it provides excellent resolution and color accuracy allows better object and person identification

The AirGoggle NVC1000H cameras are offered in six packages, including 27X, 33X, 36X or 37X optical zoom lens, filter changeable day & night, or wide dynamic digital imaging optics. The rugged mechanical design, along with a host of convenient features, makes the high-performance AirGoggle NVC1000H series cameras ideal for professional security surveillance applications.

KEY FEATURES & BENEFITS

- ▶ **Dual-Codec supporting H.264 & Motion JPEG digital video compression standards**
- ▶ **Multi-profile streaming**
Up to 3 streams of different resolutions, frame rates and codec selections
- ▶ **IR Compatible Day and Night Operation**
The automatic day and night functionality with removable IR cut filter (ICR) and digital shutter speed (DSS) deliver optimal day time color video and high-quality black and white video in dark conditions
- ▶ **Mobile Phone Support**
Supports the latest Iphone & Android smart phones for real time 24x7 access to the video information most important to you
- ▶ **Automatic Continuous Scan, Tour, and Pattern Operation**
Designed for automatic continuous scan, tour, and pattern operation, this product is well suited for use in high demanding automatic 360-degree Pan-Tilt-Zoom applications
- ▶ **Simultaneous IP and CCTV Video Operation**
This has the interface connectivity for both IP and CCTV monitoring and recording systems
- ▶ **Intelligent Full Featured Pan Tilt Zoom and Programming**
Pan and tilt speeds are automatically adjusted based on zoom level during manual control to provide 0.024 degrees precision. Auto scan, 8 group tours, 165 preset positions, 8 programmable patterns and sectors, 24 privacy masking zones, and multiple I/O ports allows precise customized pan tilt zoom automation. Each preset locations can be individually programmed with the dwell time and pan/tilt speed
- ▶ **Auto-Flip**
Auto-flip functionality eliminates the mechanical stop limitation allowing for continuous panning operational and Tilt Operation overcomes mechanical limitation
- ▶ **High Speed Pan/Tilt Operation**
350 degrees per second continuous panning and 250 degrees per second tilting ensures fast transition to any of the 165 preset locations
- ▶ **Integrated Sensor, Alarm, and Relay Ports**
Integrated sensor input, alarm output, and video motion detection provides actionable event trigger able to send a video clip via email or FTP and turn on/off external relays
- ▶ **Power over Ethernet (PoE)**

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

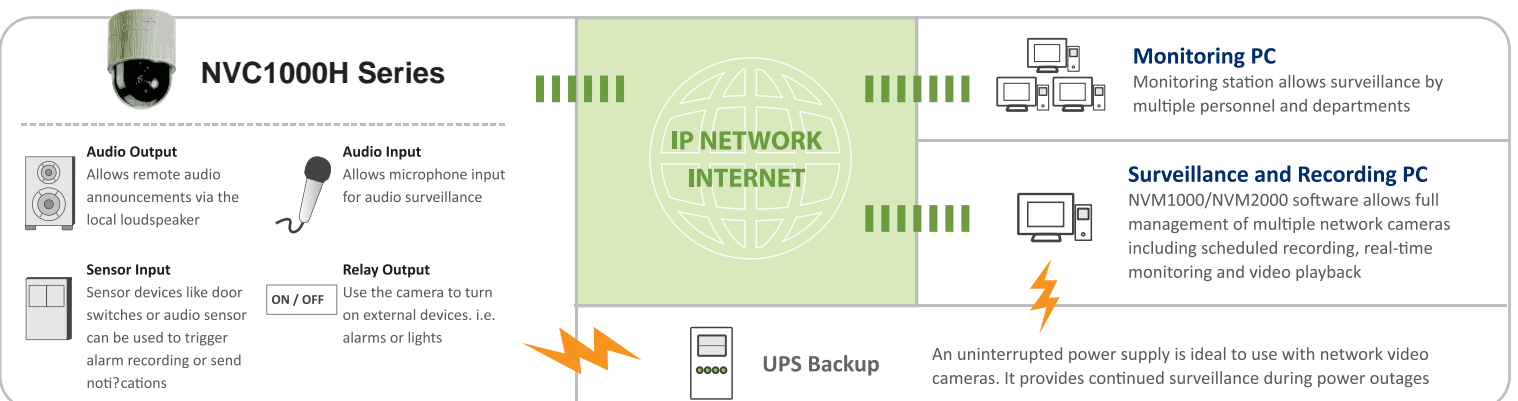


SCHOOL CAMPUS
Regardless if it is inside classrooms or on a campus, Inscape Data's wired and wireless IP based video security solutions will save on your installation cost and make monitoring easier

MODEL SELECTIONS

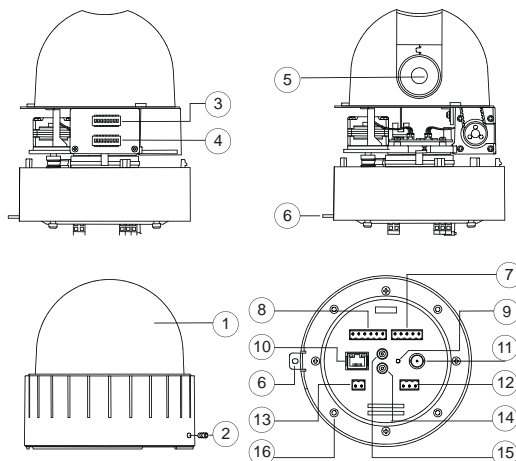
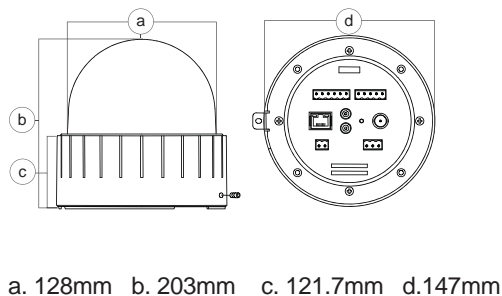
Model	Color	D/N Day:color Night: Black/White	Wide Dynamic
NVC1027H	✓	✓	
NVC1033H	✓	✓	
NVC1037H	✓	✓	
NVC1036WDH	✓	✓	✓

SYSTEM CONFIGURATIONS



TECHNICAL SPECIFICATIONS

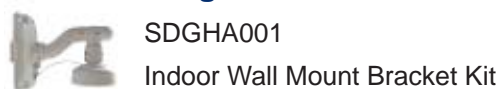
		NVC1027H	NVC1033H	NVC1037H	NVC1036WDH
Camera	Image Sensor	1/4" Sony Exview HAD CCD			
	Scanning System	Interface			
	Horizontal resolution	550 Color / 680 Black & White TV Lines			530 TV Lines
	Lens	27x Optical Zoom (F= 1.6 ~ 2.9, f=3.5 ~ 94.5mm)	33x Optical Zoom (F= 1.6 ~ 3.6, f=3.5 ~ 115.5mm)	37x Optical Zoom (F= 1.6 ~ 3.9, f=3.5 ~ 129.5mm)	36x Optical Zoom (F=1.6 ~ 4.5, f=3.4 ~ 122.4mm)
	Horizontal Field of View	49.1 degrees to 1.9	49.1 degrees to 1.6	49.1 degrees to 1.4	50.4 degrees to 1.5
	Minimum Object Distance	0.1 meter			
	DC Level Adjustment	32 Level			
	Sharpness	15 Level			
	Day & Night modes (-DN Model Only)	AUTO/DAY/NIGHT			
	Digital Slow Shutter	ON / OFF			
	Minimum Illumination	0.14 Lux Color / 0.05 Lux B/W	0.4 Lux Color / 0.2 Lux B/W	0.7 Lux Color / 0.06 Lux B/W	0.1 Lux Color / 0.01 Lux B/W
	Luminance S/N Ratio	More than 50dB			
	Video Control	Contrast, Brightness, Saturation, Hue			
	White Balance	ATW/AWC/MANUAL/OUTDOOR/INDOOR			
	Sense-Up	AUTO/FIXED/OFF			
	Digital Zoom	ON / OFF			
	Digital Noise Reduction	OFF/ON 32 Level			
	Auto Gain Control	ON / OFF			
	BLC	ON / OFF			
	Flickerless	ON / OFF			
180 Degree Video Rotation	ENABLE/DISABLE				
Privacy Masking	Yes				
OSD Time Display	ON / OFF 4 Position				
Pan Rotation Angle	360° Endless				
Pan Speed	Manual	0.5° ~ 200°/sec (64step)			
	Preset	Max 300° /sec			
Tilt Rotation Angle	-2° ~ 90°				
Tilt Speed	Manual	0.5° ~ 45°/sec (64step)			
	Preset	Max 250° /sec			
System Accuracy	0.024° / 1/8 microsteps resolution				
Presets	165 positions, individually configurable for dwell and speed				
Group Tour	Max. 8 Programmable group tours - up to 60 preset points each				
Auto scan	Programmable Auto scan				
Pattern	8 Programmable Patterns (total 480 seconds)				
Privacy Zone	8	8	8	24	
Sector	8 selectable Sectors with 16 characters				
Password Protection	Yes				
Alarm Input	4 alarms OFF/NC/NO (with various programmable states)				
Alarm Actions	Activate preset, Group scanning or output per alarm input				
Aux Output	2 Replay Output				
Auto Flip	ON / OFF				
OSD Menu	Multiple Languages on screen				
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, RTPC, 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	Unicast			
	Pre / Post Alarm Recording	5/5 seconds			
Dynamic DNS Management	Supported via free service at mgmt.airgoggle.com				
Interface	Network	10 BaseT / 100BaseTx			
	Serial	RS-485			
	I/O Port(s)	4 x 2-pin sensor input, 2 x 2-pin 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			
	Composite Video Out	BNC, Composite (1 V p-p), 75 Ohm			
	Power Connector Type	2-pin			
Hardware Reset	Internal				
System Requirements	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	Yes			
Environmental	Software	Yes			
	Construction	ABS/PMMA, Cool Gray			
	Camera Dimension(W x H x D)	147 x 202mm (6" x 8")			
	Weight	1.9kg (4lbs)			
	Storage Temperature	-20°C~70°C (-4°F ~158°F)			
	Operating Temperature	-10°C~50°C (14°F ~122°F)			
Power	Operating Humidity	8 ~80% RH Non-Condensing			
	Power Consumption	24VAC, 1A 24W			
	Power Supply (Local)	24VAC / 2.5A			
	Power Supply (PoE)	IEEE 802.3at			
Compliance	FCC, CE, MIC, ROHS				



1. Dome Cover
2. Lock Screw
3. DIP Switch 1
4. DIP Switch 2
5. Zoom Lens
6. Lock Holder
7. Relay output Connector
8. Alarm/Sensor input connector
9. Power LED
10. Ethernet Port
11. Video Output Connector
12. Power Connector - 24VAC
13. RS485
14. Audio / MIC Line IN
15. Audio Line Out

MOUNTING OPTIONS

Wall Mounting



Wall Mounting with Junction Box



Wall Mounting with Junction Box & Wiring Kit*



*Wiring kit junction box for Ethernet, Power, Relay, I/O Port, RS485

Pole Mounting



Corner Mounting



Embedded Mounting



Embedded Mounting



COMPATIBILITY

NVM1000*



NVR100*



NVM2000**



PTC800**



* Included with purchase

** Available for purchase

PACKAGE CONTENTS

1. Ceiling Mount Bracket / Cover
2. Transparent Bubble
3. I/O, Audio, Terminal Block
4. Product CDROM
5. Power Supply

ACCESSORIES: SPEED DOME BUBBLES



THE LEADING
OUTDOOR NETWORK
APPLIANCE COMPANY

Product Information Online: <http://www.inscapedata.com/nvc1000.htm>

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