



AirGoggle™ NVC3000H Series H.264 Outdoor IP Mini Speed Dome Video Camera

AirGoggle NVC3000H Series H.264 Outdoor 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 NVC3000H series PTZ speed dome IP video camera provides high quality digital video without the high demand of network bandwidth. Standard features sets of the NVC3000H 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 NVC3036WDH 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 NVC3000H 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 NVC3000H 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
- ▶ **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
- ▶ **Mobile Phone Support**
Supports the latest Iphone & Android smart phones for real time 24x7 access to the video information most important to you
- ▶ **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



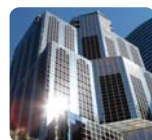
AIRPORTS

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
NVC3027H	✓	✓	
NVC3033H	✓	✓	
NVC3037H	✓	✓	
NVC3036WDH	✓	✓	✓

SYSTEM CONFIGURATIONS



NVC3000H Series



Audio Output

Allows remote audio announcements via the local loudspeaker



Audio Input

Allows microphone input for audio surveillance



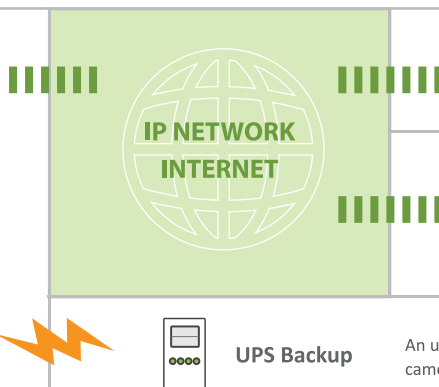
Sensor Input

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



Monitoring PC

Monitoring station allows surveillance by multiple personnel and departments



Surveillance and Recording PC

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

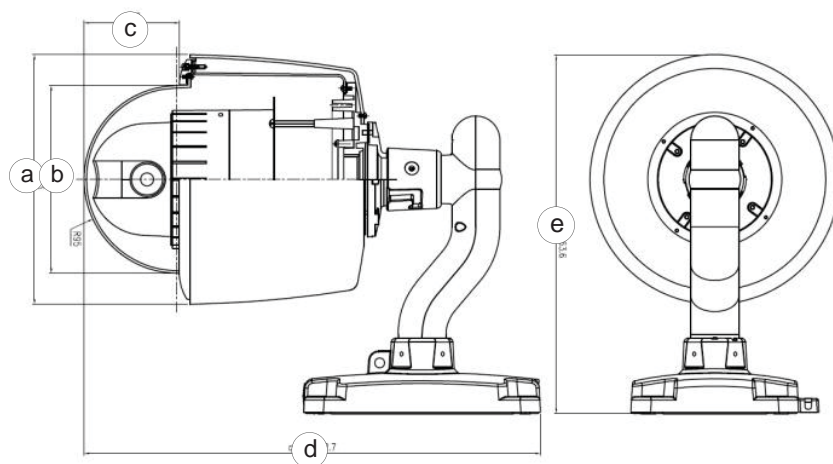


UPS Backup

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

TECHNICAL SPECIFICATIONS

			NVC3027H	NVC3033H	NVC3037H	NVC3036WDH
Camera	Image Sensor		1/4" Sony Exview HAD CCD			
	Scanning System		Interlace			
	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 degrees	49.1 degrees to 1.6 degrees	49.1 degrees to 1.4 degrees	50.4 degrees to 1.5 degrees
	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			
P/T/Z	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			
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)			
	Maximum Frame Rate		PAL: D1(720X576), Half D1(720x288), CIF(352x288), QCIF(176x144)			
	Video Encoding Rates		Up to 30/25 at all resolutions Configurable to 1, 4, 8, 15, 20, 30 fps			
Audio	Audio Compression		32kbps ~ 3000 kbps			
			Upstream: 32kbps G.726 ADPCM Line-In & Mic-In ENABLE/DISABLE			
Network	Protocols		Downstream: 128kbps 16-bit Linear PCM - Lin-Out			
			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)		253 x 462.7mm (10" x 18")			
	Weight		5.3kg (11.7lbs)			
	Storage Temperature		-20°C~70°C (-4°F ~158°F)			
	Operating Temperature		-10°C~50°C (14°F ~122°F)			
	Operating Humidity		8 ~80% RH Non-Condensing			
	Outdoor Usage		IP65			
Power	Power Consumption		24VAC, 1.75A 42W			
	Power Supply (PoE)		IEEE 802.3at			
	Power Supply (Local)		24VAC / 2.5A			
Compliance			FCC, CE, MIC, ROHS			



a. 253mm b. 190mm c. 48.3mm d. 463mm e. 364mm

MOUNTING OPTIONS

Wall Mounting



SDWM001v2

Pole Mounting



SDWM001v2



SDPA001v2
Outdoor Pole Mount Adaptor

Wall Mounting with Junction Box



SDWM001v2



SDJB001
Junction Box without PCB & Cable

Corner Mounting



SDWM001v2



SDCA001v2
Corner Mount Adaptor

Wall Mounting with Junction Box & Wiring Kit*



SDWM001v2



SDJBP001
Junction Box Kit with PCB & Cable

Ceiling Mounting



SDPM001v2
for NVC360-DN-IR & NVC360H-DN-IR Models

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

COMPATIBILITY

NVM1000*



NVM2000**



PTC800**



* Included with purchase

** Available for purchase

PACKAGE CONTENT

1. Camera Unit
2. Transparent Bubble
3. I/O, Audio, Terminal Block
4. Product CDROM
5. Power supply

ACCESSORIES: SPEED DOME BUBBLES



SDB3000 (Smoke)



SDB3000C (Clear)



THE LEADING
OUTDOOR NETWORK
APPLIANCE COMPANY

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

Product Information Online: <http://www.inscapedata.com/nvc3000.htm>

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