

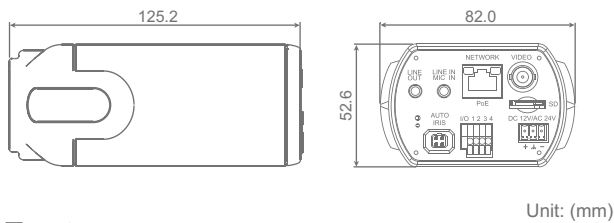
Megapixel IP Camera

NH061 Series

HD • Real-time • WDR



Dimension



Features

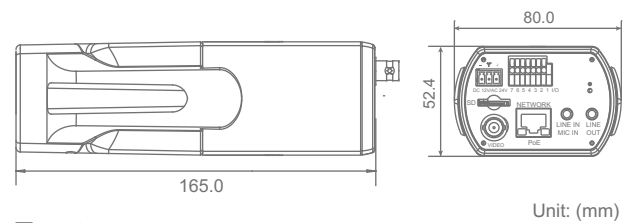
- Sony Progressive Scan CCD/CMOS Sensor
- NEW** • HD 720P real-time at dual stream
- H.264, MJPEG and MPEG-4 compression
- NEW** • Integrated real-time WDR
- NEW** • 2D / 3D Noise Reduction
- Motion Detection
- Privacy Masks
- Day/Night (ICR)
- Micro SD support
- BNC analog output
- **ONVIF** support

NH071 Series

HD • Real-time • WDR • 10× Zoom



Dimension



Features

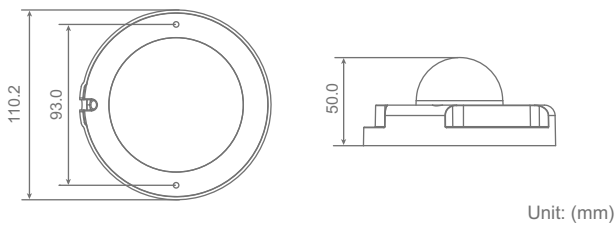
- Sony Progressive Scan CCD/CMOS Sensor
- NEW** • HD 720P real-time at dual stream
- H.264, MJPEG and MPEG-4 compression
- 10× Optical Zoom with AF
f = 4.95 ~ 49.5 mm
- NEW** • Integrated real-time WDR
- NEW** • 2D / 3D Noise Reduction
- Motion Detection
- Privacy Masks
- Day/Night (ICR)
- Micro SD support
- RS-485 support
- BNC analog output
- **ONVIF** support

NH102 Series

HD • Real-time • Compact



Dimension



Features

- Sony Progressive Scan CMOS Sensor
- NEW** • HD 720P real-time at dual stream
- H.264 and MJPEG compression
- $f = 4.3 \text{ mm}$, F1.8
- Motion Detection
- Privacy Masks
- Micro SD Support
- Weatherproof Dongle Cable*
- Weatherproof (IP66 international)
- Security Torx against tampering
- **ONVIF** support

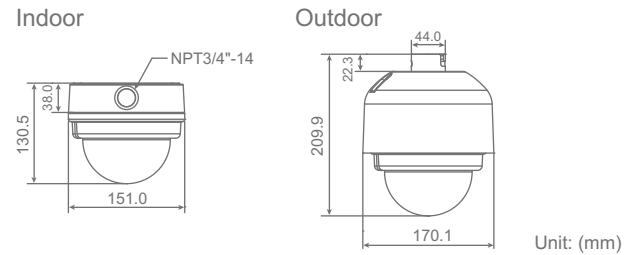
Note: Items marked with an asterisk (*) are optional

NH221 Series

HD • Real-time • WDR • Vandal Proof



Dimension

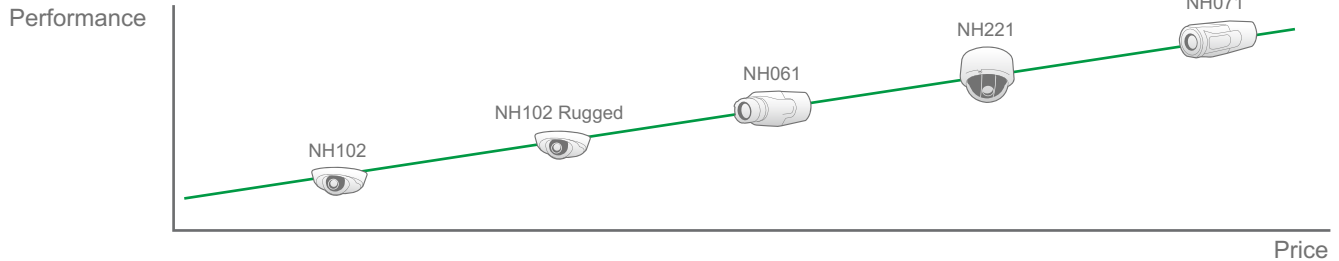


Features

- Sony Progressive Scan CCD/CMOS Sensor
- NEW** • HD 720P real-time at dual stream
- H.264, MJPEG and MPEG-4 compression
- Vari-focal $f = 3.3 \sim 12 \text{ mm}$
- NEW** • Remote Zoom & Focus (Motorized Lens)*
- NEW** • Integrated real-time WDR
- NEW** • 2D / 3D Noise Reduction
- Motion Detection
- Privacy Masks
- Day/Night (ICR)
- Micro SD support
- BNC analog output
- Weatherproof (IP66 international)
- Vandal proof dome cover
- NEW** • Sun Shield & Outdoor Mounting Kit
- **ONVIF** support

Megapixel IP Camera

Value Chart



Comparison Chart

Item	NH102	NH102 Rugged	NH061	NH221	NH071
CCD	-	-	•	•	•
CMOS	•	•	•	•	-
Lens	fixed focal	fixed focal	C/CS mount	Motorized VF Manual VF	10× AF
ICR	-	-	○	○	•
Built-in Mic	○	-	-	-	-
Audio in	•	-	•	•	•
Audio out	-	-	•	•	•
Alarm	-	-	•	•	•
RS-485	-	-	-	-	•
BNC	-	-	•	•	•
Micro SD	○	○	•	•	•
Vandal proof	-	-	-	•	-
Weatherproof (IP66)	-	•	-	•	-

• Support ○ Optional - Not support

Specification

Item	CCD Cameras	CMOS Cameras
Camera		
Image Sensor	Sony 1/3" Progressive Scan CCD	Sony 1/3" Progressive Scan CMOS
Picture Elements	1280(H) × 960(V)	1280(H) × 1024(V)
Minimum Illumination	0.03 lux @ F1.2 (Color) 0.001 lux @ F1.2 (B/W)	0.03 lux @ F1.2 (Color) 0.001 lux @ F1.2 (B/W)
Shutter Speed	1~ 1/10000 sec.	
White Balance	Manual / ATW (1500 ~ 15000 K)	
Digital Zoom	1× ~ 16×	
Operation		
Video Compression	H.264 / MJPEG / MPEG-4	
Video Streaming	Simultaneously, H.264 + H.264	
	Simultaneously, H.264 + MJPEG	
	Simultaneously, MPEG-4 + MJPEG Simultaneously, MJPEG + BNC	
Resolution	H.264: 1280 × 960 / HD 720p / D1 / VGA / QVGA / CIF / QCIF MJPEG: 1280 × 960 / HD 720p / D1 / VGA / QVGA / CIF / QCIF MPEG-4: 1280 × 960 / HD 720p / D1 / VGA / QVGA / CIF / QCIF	H.264: 1280 × 1024 / HD 720p / D1 / VGA / QVGA / CIF / QCIF MJPEG: 1280 × 1024 / HD 720p / D1 / VGA / QVGA / CIF / QCIF MPEG-4: 1280 × 1024 / HD 720p / D1 / VGA / QVGA / CIF / QCIF
Frame Rate	12.5/15 fps @ 1280 × 960 25/30 fps @ 720p	12.5/15 fps @ 1280 × 1024 25/30 fps @ 720p
Image Setting	Brightness, Exposure, Sharpness, Contrast, White Balance, Image rotation, WDR, 3DNR	
Audio	Two-way Audio	
Alarm	Input	5V 10kΩ pull up
	Output	Photo relay output 300V DC/AC
Event Notification	HTTP, FTP, SMTP	
Multiple Languages	English, French, German, Italian, Simplified Chinese	
Network		
Interface	RJ-45, 10/100 Mbps Ethernet	
Protocol	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF	
Password Levels	User and Administrator	
Security	HTTPS, IP Filter	
Internet Browser	Internet Explorer (6.0+), Chrome, FireFox	
User Account	20	
General		
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	
Power Source	Humidity: 10% to 90%, Non-condensing	
Power Consumption	6W+	4.5W+
Certificate	CE, FCC, RoHS compliant	

Product Selection



NH061-

Sensor 3: Sony 1.3M CCD 5: Sony 1.3M CMOS	Lens Type 0: CS mount type 1: CS mount type, D/N	Power 3: DC 12V / AC 24V / PoE	Connectors 0: Standard	Power Plug 0: None
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NH071-

Sensor 3: Sony 1.3M CCD	Lens Type T: 10x zoom; 4.95 ~ 49.5 mm, D/N	Power 3: DC 12V / AC 24V / PoE	Connectors 0: Standard	Power Plug 0: None
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NH102-

Sensor 5: Sony 1.3M CMOS	Lens Type 2: 4.3 mm	Power 4: PoE	Connectors 1: Micro SD	Ethernet 0: RJ-45 M: M12 R: RJ-45 Cable	Microphone 0: w/o 1: w/
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NH221-

Sensor 3: Sony 1.3M CCD 5: Sony 1.3M CMOS	Lens Type A: Vari-focal 3.3 ~ 12 mm B: Vari-focal 3.3 ~ 12 mm, D/N C: Motorized Vari-focal 3.3 ~ 12 mm, D/N	Power 3: DC 12V / AC 24V / PoE	Connectors 0: Standard	Power Plug 0: None	Heater & Fan 0: Indoor B: Outdoor w/ H & F
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*H & F: Heater & Fan