



HD WDR Vandal Proof IP Dome Camera

- Sony Progressive Scan CCD sensor
- HD 720p real-time at dual streaming
- H.264, MJPEG and MPEG-4 compression
- Vari-focal f =3.3 ~ 12 mm
- Remote Zoom & Focus (Motorized Lens)
- Integrated real-time WDR
- 2D / 3D Noise Reduction
- Motion Detection
- Privacy Masks
- Day/Night (ICR)
- Micro SD support
- BNC analog output
- Weatherproof (IP66 international)
- Vandal proof dome cover
- Sun Shield & Outdoor Mounting Kit
- Built-In IR Illuminator
- Built-In Heater and Fan

Features:

Item		NH221	
Camera		NH221-3C3101 (for recessed-ceiling, hard-ceiling mount)	NH221-3C310B (for pendent mount)
Image Sensor		1/3" Sony Progressive CCD	
Picture Elements		1280(H) x 960 (V)	
Minimum Illumination	Color	0.02 lux @ F 1.4	
	B/W	0.002 lux @ F 1.4	
Shutter Speed		1~ 1/10000 sec.	
White Balance		Manual / AWB	
Lens			
Lens Type	Motorized lens	F 1.4 / f = 3.3~12 mm	
Adjust Mode		Auto (One Push) , Manual (Wide/Tele, Far/Near)	
FOV		25 ~ 80	
Operation			
Video Compression		H.264/MJPEG/MPEG-4	
Video Streaming		Simultaneous H.264 + MJPEG MPEG-4 + MJPEG MJPEG + BNC H.264 + H.264	
Resolution	H.264	1280x960/HD 720p/D1/VGA/QVGA/CIF/QCIF	
	MJPEG	1280x960/HD 720p/D1/VGA/QVGA/CIF/QCIF	
	MPEG-4	1280x960/HD 720p/D1/VGA/QVGA/CIF/QCIF	
Frame rate		1280 x 960 @ 12.5/15 fps 720p @ 25/30fps	
Image Setting	Brightness	Manual	
	Exposure	Auto / Manual / Fixed shutter / Auto Iris Mode	
	Backlight	On/Off	
	Sharpness	Manual	
	Contrast	Manual	
	White Balance	Auto / Manual / Indoor / Outdoor/ One Push	
	Digital Zoom	1x ~ 16x	
	Image Rotation	Flip, Mirror, and 180° Rotate	
	WDR	Off / 4 Level Adjustment	
	3D Noise Reduction	On/Off	
	Privacy Mask	8	
	Privacy Mask Type	Transparent, Color	
	ICR	Auto/On/Off	
	Auto Gain Control	Adjustable	
Audio	Two-way Audio	Line out, Line in/mic in	
	Compression	G.711 / G.726	
Alarm	Input	5V 10kΩ pull up	
	Output	Photo relay output 300VDC/AC	
Intelligence	Motion Detection	up to 10 Detection Windows	
Network			
Interface		10/100 Mb Ethernet (RJ-45)	
Protocol		TCP/IP, UDP, RTP, RTSP, HTTP, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP and IGMP, IPv4, Ipv6, ARP, HTTPS, DNS, NTP, RTP/RTCP, SNMP	
Password Levels		User and Administrator	
IP Address Filter		Yes	
Internet Browser		Internet Explorer (6.0+)	
User Account		20	
Mechanical			
IR Illuminator		Yes	
Connectors	Power	3 pins terminal block	
	Ethernet	RJ-45	
	Micro SD	SDHC support	
	Audio	4 pins terminal block	
	Alarm	1 Alarm Input, 1 Alarm Outputs	
	Analog Video	1.0 Vp-p / 75 Ω, BNC	
LED Indicator		Power, Link, ACT	
Resistance Level		IK 10	
General			
Operating Temperature		-40°C ~ 50°C with Heater & Fan Humidity: 10% to 90%, no condensation	
Power Source		DC12V/PoE/AC24V	
Power Consumption		Max 33.6W	
Regulatory		CE, FCC, RoHS Compliant	
Dimension	Indoor		
	Outdoor		
Weight		Indoor: 1 kg(2.2 lbs)	Outdoor: 1.8 kg(3.96lbs)