

## High Speed Dome Camera

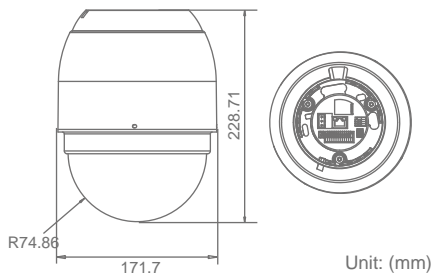
## network DynaHawk™ 720 / 820 Series



Full HD Speed Dome IP Camera

**Dimension**

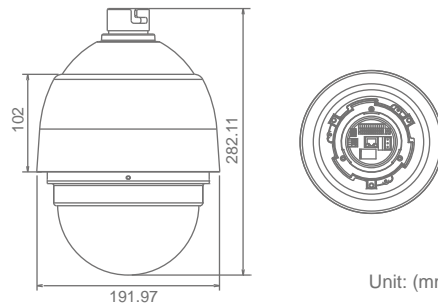
NH720 Full HD Speed Dome IP Camera



Unit: (mm)

**Dimension**

NH820 Full HD Speed Dome IP Camera



Unit: (mm)

**Features****Superior Camera Image Quality**

- Sony Progressive Scan CMOS Sensor
- NEW** • Quad Stream Support
- NEW** • Dual Streams, Full HD real-time + D1 real-time
- NEW** • Quad Stream Compression: H.264 Baseline / Main / High Profile + MJPEG
- NEW** • Vertical View mode (Image rotation by 90°)
- NEW** • Up to 18× / 20× optical zoom
- Up to 8× digital zoom
- NEW** • Wide Dynamic Range
- Auto White Balance
- AGC Control
- Backlight Compensation
- Auto Exposure
- True Day/Night function
- Digital Noise Reduction
- Network Failure Detection
- NEW** • Digital Slow Shutter

**Precise and Accurate Dome Camera Performance**

- Preset speed up to 400°/sec.
- Preset resolution of 0.225°
- NEW** • Proportional Pan & Tilt Speed
- Preset Position / Auto-Pan / Sequence / Cruise
- Auto-Calibration
- Image / Mechanical Image Flip (180°)

**Dynamic Dome Camera Applications**

- Up to 16 Privacy Masks
- 4 Alarm inputs, 2 Alarm outputs
- Up to 10 Sets of Motion Detection
- NEW** • Flexible indoor / outdoor mountings
- Weatherproof (IP66 International)
- NEW** • High Power over Ethernet (IEEE 802.3 at)

## Specification

Item	18N1	20N1
<b>Camera</b>		
Image Sensor	1/2.8" Sony Progressive CMOS	
Optical Zoom	18x	20x
Digital Zoom	1 ~ 8x variable	
Focal Length	4.7 ~ 84.6 mm	4.7 ~ 94 mm
Focus Mode	Auto / Manual	
White Balance	Auto / Indoor / Outdoor / ATW / Manual	
Iris Control	Auto / Manual	
Electronic Shutter	1/1 ~ 1/10k sec.	
AGC Control	Auto / Manual	
Backlight Compensation	On / Off	
<b>Operation</b>		
Pan Travel	360° endless	
Tilt Travel	-10° ~ 190°	
Manual Speed	0.5° ~ 90°/s	
Presets	256	
Preset Accuracy	0.225°	
Preset Speed	5° ~ 400°/s	
Sequence	8	
Auto Pan	4	
Cruise	8	
Privacy Mask	16	
Proportional Pan & Tilt	On / Off (Pan and tilt speed proportional to zoom ratio)	
Resume after Power Loss	Yes	
Home Function	Preset / Sequence / Auto Pan / Cruise	
Auto Flip	Image / Mechanical / Off	
Motion Detection	On / Off	
Wide Dynamic Range	On / Off	
Day/Night: IR Cut Filter	Auto / Manual	
Image Rotation	Flip / Mirror / Inverse / Portrait	
Digital Noise Reduction	On / Off	
<b>Network</b>		
Video Compression	H.264 / MJPEG	
Video Streaming	Quad Streams H.264 x4 / H.264 x3 + MJPEG	
Video Resolution	Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF	
Frame Rate	1080P (30 fps) + D1 (30 fps)	
Audio Compression	G.711 / G.726 ADPCM / AAC	
Audio Streaming	Two-way Audio	
Networking	10/100 Mb Ethernet (RJ-45)	
Protocol	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, IEEE 802.1x, QoS, ONVIF	
Security	User Account and Password Protection	
Alarm	Input	4 Sets
	Output	2 Sets
Alarm Reaction	Preset / Sequence / Auto Pan / Cruise	
Micro SD	microSDHC 32GB support	
Internet Browser	Internet Explore (6.0+) / Chrome / Firefox / Safari	
<b>General</b>		
Environment		
Operating Temperature	Indoor	0 °C ~ 40 °C (32 °F ~ 104 °F)
	Outdoor	-40 °C ~ 50 °C (-40 °F ~ 122 °F)
Dimension	Indoor	Ø 171.7 × 228.71 mm (Ø 6.76 × 9 inches.)
	Outdoor	Ø 191.97 × 282.11 mm (Ø 7.55 × 11.1 inches.) w/ Sunshield
Weight	Indoor	1.62 Kg (3.57 lbs)
	Outdoor	2.32 Kg (5.11 lbs)
Power Source	Indoor	PoE+ / AC 24V ± 10%
	Outdoor	PoE+ (w/o Heater) / AC 24V ± 10%
Power Consumption	Indoor	20 W
	Outdoor	65 W (w/ Heater)
Regulatory	CE / FCC / RoHS / IP66 (Outdoor)	

Product specification and availability subject to change without notice. Certain product names mentioned herein may be trade names and / or registered trademarks of their companies.