



Specification

DynaHawk™ Full HD Multiple Streams Speed Dome IP Camera

		NH820 18N1 Model	NH820 20N1 Model
Camera			
Image Sensor		1/2.8" Sony Progressive CMOS	
Optical Zoom		18x	20x
Digital Zoom		1-12x variable	
Minimum illumination		0.05 (Color), 0.01 lux (B/W) @ 50IRE F1.6	0.05 (Color), 0.01 lux (B/W) @ 50IRE F1.6
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	
Operation			
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	
Network			
Video Compression		H.264 / MJPEG	
Video Streaming		Quad Streams H.264*4 / MJPEG + H.264*3	
Video Resolution		1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF	
Frame Rate		1080P (30fps) + D1 (30fps)	
Audio Comprerssion		G.711 / G.726 ADPCM / AAC	
Audio Streaming		Two-way Audio	
Networking		10/100 Mb Ethernet (RJ-45)	
Protocols		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	
Supported Web Browser		Internet Explore (6.0+) / Chrome / Firefox / Safari	
General			
Environment		Indoor / Outdoor	
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 in.)	
	Outdoor	ø 191.97 × 282.11 mm (ø 7.55 × 11.1 in.) w/ Sunshield	
Weight	Indoor	1.6 kg (3.57 lb)	
	Outdoor	2.3 kg (5.11 lb) w/ Sunshield	
Power Source	Indoor	802.3at HPoE / AC 24V ± 10%	
	Outdoor	PoE+ (w/o Heater) / AC 24V ± 10%	
Power Consumption	Indoor	20 W	
	Outdoor	50 W (w/ Heater)	
Regulatory		CE / FCC / RoHS / IP66 (Outdoor)	