

# network DynaHawk™ 720/820W-F Series

Full HD Ultra WDR Speed Dome IP Camera



720/820W-F series Speed Dome IP Camera is most cost-effective 1080P real-time shutter-WDR speed dome product in the market. With up to 30x optical zoom lens options and digital image stabilize feature support, this model can deliver crystal clear image even in very long distance suitable for wide-area surveillance application.

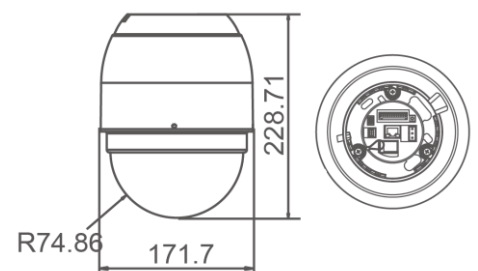
This model can offer simultaneous Quad Streams and Qual Codec, H.264 Baseline / Main / High Profile, MJPEG for various network applications via speeding or limited bandwidth. Compliance with ONVIF Test tool 14.06 and Profile S, this model is able to provide fully compatibility to any VMS around the world. It can seamlessly connect to the backend system with universal ONVIF protocol.

With built-in heater and 60W PoE power source, this model is able to operate in extreme weather condition from -40°C to 50°C . IP66 International standard is also guarantee in this model for outdoor

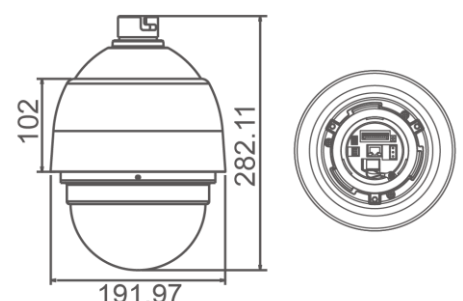
## Key Features

- Sony Progressive Scan CMOS Sensor
- Up to 30x Optical Zoom
- 12x Digital Zoom
- Dual Shutter Wide Dynamic Range (>96dB)
- Dual Streams: 1080P @ 30fps + D1 @ 30fps
- Quad Streams Support
- Quad Codec: H.264 Baseline / Main / High Profile +
- Eletronic Image Stabilizer
- 2D/3D Noise Reduction
- 802.3at 60W PoE+ Support for Heater Activation
- Weatherproof (IP66 International)\*

### 720 (Indoor Model)



### 820 (Outdoor Model)



# Network DynaHawk™ 720/820W-F Series - Full HD Ultra WDR Speed Dome IP Camera

Camera	F1 (18x)	F2 (20x)	F3 (30x)
Image Sensor	1/2.8" Sony Progressive CMOS		
Optical Zoom	18x	20x	30x
Digital Zoom	12x		
Minimum Illumination	0.5 lux (Color), 0.095 lux (B/W) @ F1.6		
Wide Dynamic Range	Shutter WDR (>96dB)		
Focus Mode	Auto / Manual		
White Balance	Auto / Indoor / Outdoor / ATW / Manual		
Iris Control	Auto / Manual		
Electronic Shutter	1/1 ~ 1/10000 sec.		
AGC Control	Auto / Manual		
Backlight Compensation	On / Off		
<b>Lens</b>			
Focal Length	4.7 ~ 84.6 mm	4.7 ~ 94 mm	4.3 ~ 129 mm
Min. Focus Length	1 m (Wide); 1 m (Tele)	1 m (Wide); 1 m (Tele)	1 m (Wide); 1.2 m (Tele)
F Number	F 1.6 (Wide); F 2.8 (Tele)	F 1.6 (Wide); F 3.5 (Tele)	F 1.6 (Wide); F 4.7 (Tele)
FOV	55.2° (Wide); 3.2° (Tele)	55.8° (Wide); 4° (Tele)	65.5° (Wide); 3.18° (Tele)
<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	Support		
Home Function	Preset / Sequence / Auto pan / Cruise		
Auto Flip	Image / Mechanical / Off		
Motion Detection	Motion Detection Window x 4 sets		
Day / Night: IR Cut Filter	On / Off		
Image Rotation	Flip / Mirror / Inverse		
Electronic Image Stabilizer	On / Off		
Noise Reduction	2D 3D	On / Off	
<b>Network</b>			
Networking	RJ-45, 1Gbps Ethernet		
Video Compression	MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile		
Video Stream	Single	H.264 / MJPEG	
	Dual	H.264 + MJPEG / H.264 + H.264	
	Multiple	H.264 x 4 / H.264 x 3 + MJPEG	
Video Resolution	H.264/MJPEG - Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF		
Audio Compression	G.711 / G.726		
Audio Stream	Two-way Audio		
Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP		
Security	HTTPS / IP Filter / IEEE 802.1x		
Alarm	Input Output	4 Sets / 5V 10kΩ pull up 2 Set / Relay output, max. 2A DC 30V / 0.5A AC 125V	
Alarm Reaction	Preset / Sequence / Auto Pan / Cruise		
Micro SD	microSDHC 32GB Support		
Supported Web Browser	Internet Explore (6.0+) / Chrome / Firefox / Safari		
Password Levels	User and Administrator		
<b>General</b>			
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 x 228.7 mm (Ø 6.7 x 9 in.)	
	Outdoor	Ø 191.9 x 282.1 mm (Ø 7.5 x 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 PoE+ (30W) / AC 24V ± 10%	
	Outdoor	802.3at PoE+ (60W) / AC 24V ± 10%	
Power Consumption	Indoor	24 W	
	Outdoor	59.5 W (w/ Heater)	
Regulatory	CE / FCC / RoHS / IP66 (Outdoor)		

\* mark for optional items

Product specification and availability are subject to change without notice.



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