

network DynaHawk™ 720/820Z-F Series

Full HD Ultra WDR Speed Dome IP Camera



720/820Z F series Speed Dome IP Camera, with latest encoding technology, is the very first 1080P @ 30fps real-time true WDR speed dome product in the surveillance market. It is also able to deliver crystal clear image with high quality 30x optical zoom lens in very long distance.

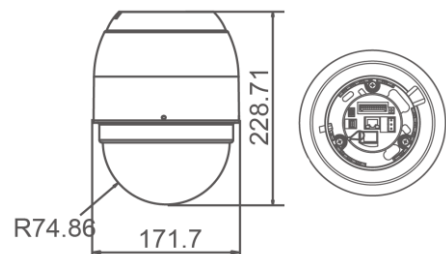
This model can offer simultaneous Quad Streams and Qual Codec, H.264 Baseline / Main / High Profile, MJPEG for various network applications via speeding or limited bandwidth. With software stablizer algorithm, image can still keep steady in windy weather. Compliance with ONVIF Test tool 14.06 and Profile S, this model is able provide fully compatibiloity 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

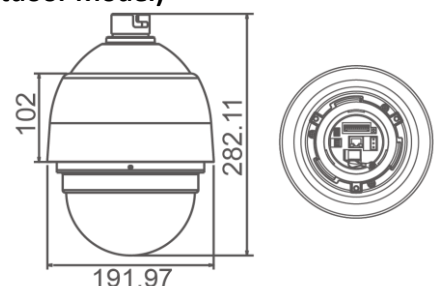
Key Features

- Sony Progressive Scan CMOS Sensor
- Up to 30x Optical Zoom
- 12x Digital Zoom
- Dual Shutter Wide Dynamic Range (>96dB)
- 1080P @ 30fps + 1080P @ 30fps
- Supreme Frame Rate Support: 1080P @ 60fps + SXGA @ 60fps
- Quad Streams Support
- Quad Codec: H.264 Baseline / Main / Hight 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™ 720/820Z-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	10x		
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		
Lens			
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)
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	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 On / Off	On / Off On / Off
Network			
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 1080P @ 30fps (Shutter WDR Enable) H.264 1080P @ 60fps (Shutter WDR Disable) Note: Stream can be MJPEG	
	Dual	H.264 1080P @ 30fps + 1080P @ 30fps (Shutter WDR Enable) H.264 1080P @ 60fps + H.264 D1 @ 30fps (Shutter WDR Disable) Note: One if the stream can be MJPEG	
	Multiple	H.264 1080P @ 30fps + H.264 SXGA @ 30fps + H.264 720P @ 30fps + H.264 CIF @ 30fps (Shutter WDR Enable) H.264 1080P @ 60fps + H.264 CIF @ 30fps + H.264 CIF @ 30fps (Shutter WDR Disable) Note: One if the stream below 1080P can be MJPEG	
Video Resolution	H.264/MJPEG - Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA		
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	microSDXC 64GB Support		
Supported Web Browser	Internet Explore (6.0+) / Chrome / Firefox / Safari		
Password Levels	User and Administrator		
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 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.



DYNACOLOR, INC.

No. 116, Jou Tz Street, Neihu, Taipei 114, Taiwan

TEL: (886)2-2659-8898

FAX: (886)2-2659-8868

<http://www.dynacolor.com.tw>

info@dynacolor.com.tw