

network **PTZ DOME** MB-51720/820Z-F Series

Full HD Ultra WDR Speed Dome IP Camera



MB-51720/820Z 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.

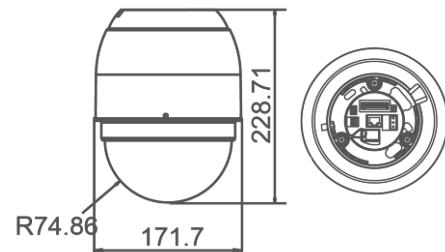
This model can offer simultaneous Quad Streams and Qual Codec, H.264 Baseline / Main / High Profile, MJPEG for various network applications via speeding or limited bandwidth. With software stabilizer algorithm, image can still keep steady in windy weather. Compliance with ONVIF Test tool 14.06 and Profile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

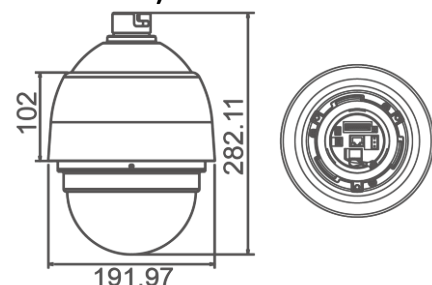
■ Key Features

- 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 / High Profile +
- Electronic Image Stabilizer
- 2D/3D Noise Reduction
- 802.3at 60W PoE+ Support for Heater Activation
- Weatherproof (IP66 International)*

720 (Indoor Model)



820 (Outdoor Model)



network PTZ DOME MB-51720/820Z-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		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 Iris		Auto / Indoor / Outdoor / ATW / Manual	
Control Electronic		Auto / Manual	
Shutter AGC		1/1 ~ 1/10000 sec.	
Control		Auto / Manual On /	
Backlight Compensation		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	55.3° (Wide); 3.22° (Tele)	55.2° (Wide); 2.93° (Tele)	65.1° (Wide); 2.34° (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		20	
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	
Motion Detection		Detection Window x 4 sets On / Off	
Day / Night: IR Cut Filter		Flip / Mirror / Inverse	
Image Rotation		On / Off	
Electronic Image Stabilizer	2D	On / Off	
Noise Reduction	3D	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 @ 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	4 Sets / 5V 10kΩ pull up	
	Output	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 ± 20% / DC 28-48V	
	Outdoor	802.3at PoE+ (60W With 4 Pair) / AC 24V ± 20% / DC 28-48V	
Power Consumption	Indoor	23W PoE / 25W AC	
	Outdoor	55 W PoE / 57W AC	
Regulatory	CE / FCC / RoHS / IP66 (Outdoor)		

* mark for optional items

Product specification and availability are subject to change without notice.



AGNI Technology INC
 7F., No.25, Ln. 140, Xing'ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
 TEL:886-2-2796-2235 FAX:886-2-2796-1319
 http://www.agni.com.tw Sales @agni.com.tw