

IP12M-F2380EW

Amcrest 12MP AI Fisheye Network IP Camera

Technical Specifications

Model	IP12M-F2380EW				
Camera					
Image Sensor	1/1.7" CMOS				
Max. Resolution	4000 (H) x 3000 (V)				
ROM	2GB				
RAM	4GB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3s-1/100,000s				
Minimum Illumination	0.01 Lux@F2.0 (Color, 30 IRE) 0.001 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on)				
S/N Ratio	>56dB				
IR Distance	32.81ft (10m)				
IR On/Off Control	Auto/Manual				
IR LEDs	3 (IR LEDs)				
Lens					
Lens Type	Fixed-focal				
Lens Mount	M12				
Focal Length	1.85mm				
Max. Aperture	F2.0				
Field of View	H: 185°, V: 180°				
Iris Control	Fixed				
Close Focus Distance	1.31ft (0.4m)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	1.85mm	131.23ft (40m)	52.49 (16m)	26.2ft (8m)	13.1ft (4m)
	Note: The DORI distance calculated based on sensor specification and lab test result 62676-4 which defines the criteria for Detect, Observe, Recognize, and Identify.				
AI					
People Counting	People Counting, Queuing				
Heat Map	Supported				
IVS	Intrusion, Tripwire				
Reports	Supported				
Video					
Compression	H.265/H.264				
	Main stream: 4000 × 3000@(1-25/25 fps) sub stream: 704 × 576@(1-25/30 fps)				

Frame Rate	third stream: 1280 × 960@(1-17/17 fps) Fisheye mode: 1O (4000 × 3000), 1P (4096 × 1024), 2P (2432 × 2432) 1R (1216 × 1216), 2R (2432 × 2432), 4R (2432 × 2432), 1O + 3R (2432 × 2432) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Stream Capability	3 Streams
Resolution	4000 × 3000; 3280 × 2480; 2880 × 2160; (3M) 2048 × 1536; 1.3M (1280 × 960); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Bit Rate	H264: 8 kbps-16384 kbps H265: 3 kbps-16384 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Supported
HLC	Supported
WDR	DWDR
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Defog	Supported
Privacy Masking	4 Areas
Audio	
Built-in Mic	Supported
Audio Compression	PCM; G.711Mu; G.726; G.723
Port	
Audio Input	1 Channel (RCA Port)
Audio Output	1 Channel (RCA Port)
Alarm Input	2 Channels In: 5mA 3V-5V DC
Alarm Output	2 Channels Out: 1,000mA 30V DC/500mA 50V DC
Network	
Network Port	RJ-45 (10/100/1000 Base-T)
SDK and API	Supported
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; RTSP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; UPnP; NTP; Multicast; NFS; PPPoE
User/Host	20
Storage	FTP; SFTP; MicroSD Card (Up to 256GB), NAS
Management Software	Amcrest Surveillance Pro, Amcrest View Pro (iOS/Android), Amcrest Cloud, Amcrest Blue Iris, most mainstream web browsers including Google Chrome, Mozilla Firefox, Microsoft Edge, Safari, etc.
General	
Power Supply	12V DC/PoE+
Power Consumption	Basic: 6.5 W (12V DC); 6.1 W (PoE) Max. (ICR + IR intensity): 13 W (12V DC); 13.9 W (PoE) Heating: 3 W (12V DC); 3 W (PoE)
Operating Temperature	-40 °F to +140 °F (-40°C to 60°C)

Operating Humidity	≤95%
Storage Temperature	-22 °F to +158 °F (-30 °C to +70 °C)
Protection	IP67; IK10
Casing	Metal
Dimensions	2.35" × Φ5.90" (59.8 mm × Φ149.8 mm)
Weight	1.74lbs. (0.79kg)
Mount Types	Junction Mount: PFA132-E Ceiling Mount: PFA100+PFB300C Wall Mount: PFA100+PFB302S

Dimensions

