

Technical Specifications

Soterix Systems 12 MP Fisheye Camera

- 12MP 360° or 180° viewing angle
- H.265, H.264 and MJPEG compression
- Dewarp modes
- People & Vehicle Detection
- Audio support
- Power over Ethernet (IEEE 802.3af)



Camera	
Model	FC-12F-1
Image Sensor	1/2.3" 12.3M CMOS
Effective Pixels	4000(H) x 3000(V)
Scanning System	Progressive scanning
AGC Control	Auto
IRIS Type	Auto Exposure
Minimum Illumination	Color : 0.52 Lux / BW : 0 Lux(IR LED On)
Lens	1.5 mm, F1.8
Angle of View	360°
Shutter Time	Auto / Manual: 1/30 ~ 1/32,000, Anti-Flicker, Slow Shutter (1/2,1/3,1/5,1/6,1/7.5,1/10)
Day & Night	True Day & Night (Removable IR-cut filter)
Wide Dynamic Range	True WDR (Supported only for resolutions up to 9MP and Max. 15fps when WDR is on)
S/N Ratio	50 dB

IR Illuminator	
IR LED	High Power IR LED x 3
IR Working Distance	25m

Video	
Video Compression	H.265, H.264, MJPEG
Profile	H.264 : MP / HP H.265 : MP
Multiple Profile Streaming Performance	- 4000x3000/20 + 320x320/20 with H.264,H.265 + MJPEG - 3000x3000/30 + 640x640/30 with H.264,H.265 + MJPEG
Max Resolution	4000 x 3000
Video Bit Rate	100Kbps ~ 25Mbps Multi-rate for Preview and Recording
Bitrate Control	Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth)
Digital Noise Reduction	3D-DNR
Privacy Mask	16 programmable zones
Special Features	Bitrate Control, Region of Interest
Other Image Processing	Configurable Exposure, White Balance, Sharpness
Analogue Output	-

Audio	
Audio Streaming	Two way
Audio Compression	G.711 u-law 8KHz
Audio input	Built-in Mic, Supply voltage : 2.4VDC(3mA), Input impedance : 3K Ohm
Audio output	Line Out, MAX. Output Level : 1Vrms

Event	
Event Trigger	Motion, Temperature critical, AI
Pre-Post Recording	Pre: 1~5 sec Post: 1~240 sec
Event Notification	FTP, E-mail, SD card

Network	
Ethernet Standard	10 / 100 / 1000 Base-T
IP	IPv4
Protocol	TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), UPNP, RTCP, SSH, ONVIF
Security	HTTPS(SSL), IP filtering, 802.1x, Digest Authentication
ONVIF	ONVIF Profile S/T/M, CGI API

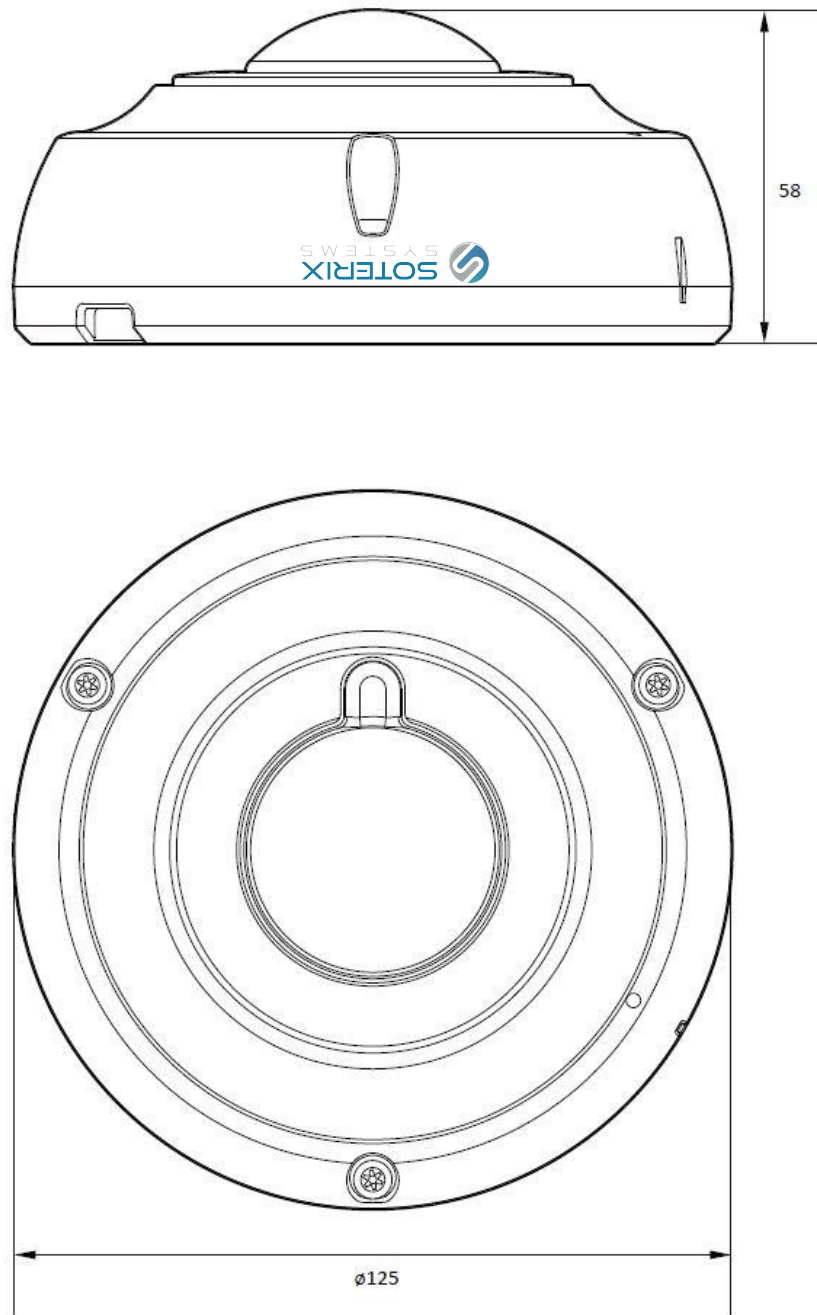
General	
Material	Aluminum Die-casting
External I/O Terminals	-
Language on webpage	English
Power Source	DC12V, PoE(IEEE 802.3af)
Power Consumption	DC12V Max 10.2W, PoE Max 11.5W
Operating Conditions	Humidity 10 ~ 90% RH (non-condensing) [DC12V / PoE] -30°C ~ 55°C (-22°F ~ 131°F)
Approvals	FCC, CE, IP67, IK10
NDAA	Compliant
Weight	0.5 kg
Dimensions (W x H)	Ø125 mm x 58 mm

Edge Storage	
Storage	1x microSD / microSDHC / microSDXC (card not included)

Technical Specifications

Dimensions

(Unit: mm)



Accessories



BW10



BC10



BP01



BC001