

12MP IP Fisheye Camera with Edge De-Warping

SY-FEE-LPE

The Synectics 12MP Fisheye Camera matches high-resolution dual stream versatile picture layout with compact aesthetics.



The Synectics 12MP HD multi-stream IP fisheye camera is equipped with a Sony Exmor™ progressive scan CMOS sensor providing outstanding video resolution. Along with other improvements the computing power of this model has been increased by 6 times allowing for faster processing, high accuracy, and improved recognition of smaller objects at the same resolution.

The camera delivers full 360-degree field of view and simultaneous ability to select a number of optional views including a quad view complete with individual electronic PTZ.

This versatile camera is able to be mounted indoors in both ceiling and wall orientation. With the flexibility this camera can offer it is the ideal choice for many locations to provide wide area surveillance coverage.



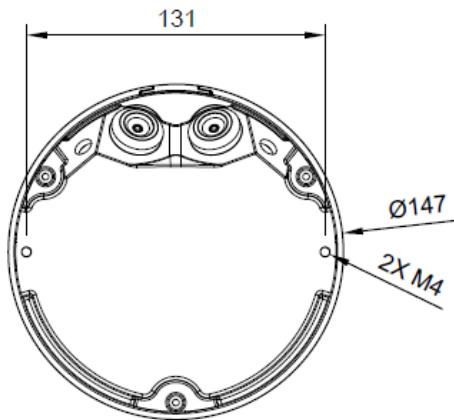
Specifications

CAMERA		SY-FEE-LPE
Image Sensor	Sony 12.5M 1/1.6" Sony Progressive CMOS	
Effective Pixels	3552 (H) x 3556 (V)	
Resolution	H.264/H.265 3552 x 3556 (2976 * 2976), (2048 x 2048), (2048 x 1536), (1920 x 1080), (1600 x 1200), (1408 x 1408), (960 x 960), (960 x 720), (960 x 544) MJPEG - Full HD 1080p, (1600 x 1200), (1408 x 1408), (960 x 960), (960 x 720), (960 x 544)	
Min Illumination Colour	0.132 Lux	
Min Illumination B&W	0.028 Lux	
Shutter Speed	1 ~ 1/10000 sec	
LENS		
Lens Mount	N/A	
Lens	1.7 mm Fisheye Lens	
FOV	180° @ Full Resolution	
F Number	F2.0	
P Iris	N	
Focus Mode	N/A	
Digital Zoom	N/A	
PTZ OPTIONS		
Pan Travel	N/A	
Tilt Travel	N/A	
Manual Speed	N/A	
Presets	N/A	
Preset Accuracy	N/A	
Preset Speed	N/A	
Sequence	N/A	
Auto Pan	N/A	
Cruise	N/A	
Proportional Pan / Tilt	N/A	
Home Function	N/A	
Auto Flip	N/A	
Image Rotation	Flip / Mirror / Inverse / Portrait	
STREAMING OPTIONS		
Compression	H.264 / H.265	
ONVIF Profile	G / M / S / T	
Stream	Single Stream: H.264/H.265 2976 x 2976 @ 27 fps, 2048 x 2048 @ 30 fps Dual Stream: H.264/H.265 2048 x 2048 @ 25/30fps 1920 x 1080 @ 25/30fps	
Stream 1 Max Resolution and FPS	H.264/H.265 2976 x 2976 @ 27 fps	
Stream 2 Max When Stream 1 Set Max Resolution and FPS	H.264/H.265 960x960 @ 15fps	
Min/Max Bitrate	64/20480 (kbps)	

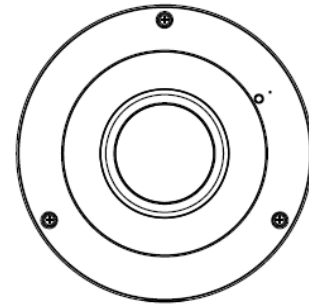
OPERATION	
ICR	Auto / On / Off / Smart
LED Numbers	4
LED Distance	Up to 15 m
White Balance	Manual / AWB / ATW / One Push
NR	2D / 3D / Colour
BLC	On / Off
WDR	Gamma WDR
DIS / EIS	N
Motion Detection	On / Off / Schedule
Privacy Mask Type	8 Colours / 5 Sets
Tamper Alarm	On / Off / Schedule
Audio Type	Line in / Line Out: 5 of 12 Pin Terminal Block & Built-in Microphone
Audio In	G.711/G.726/AAC/LPCM
Audio Out	G.711/G.726/AAC/LPCM
Audio Sample Rate	ACC: 48000 / Other: 8000
Analogue Out	N/A
Heater	N/A
Fan	N/A
Alarm Input	1 Set 5V 10kΩ Pull Up
Alarm Output	1 Set Photo Relay Output 300V DC / AC
Event Notification	HTTP / FTP / SMTP
SD Card Support	microSD/microSDHC/microSDXC (Dual)
Ethernet Connector	RJ-45
Power Connector	POE+, DC12V
I/O Connector	5 of 12 Pin Terminal Block, Pitch 2.5 mm
Protocol	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS, ONVIF G, ONVIF M, ONVIF S, ONVIF T
Security	HTTPS / IP Filter / IEEE 802.1X
ENVIRONMENTAL	
Operating Temperature	-10°C ~ 55°C (14° ~ 131° F)
Storage Temperature	-20°C ~ 70°C (-4° ~ 158° F)
Humidity	10% ~ 90%, No Condensation
Vandal Resistant	IK10
IP Rating	IP66
GENERAL	
Power	PoE+ IEEE802.3at, DC12V
Power Priority	PoE+ DC
Power Failover	PoE+ to DC
PoE Classification	Class 4
Power Consumption (Total Unit)	Maximum of PoE: 20.61 W
Dimensions	Ø 147 x 62.8 mm / Ø 5.1 x 2.4"
Weight	704 g / 1.55 lb
Certification	CE / FCC

Specifications subject to change. E & OE.

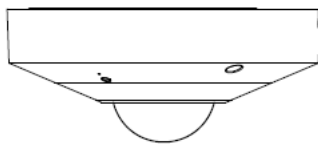
Diagrams



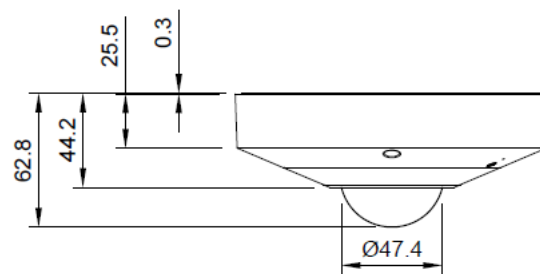
PLAN VIEW



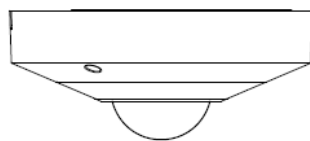
UNDERSIDE VIEW



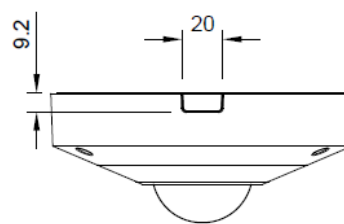
LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW