



AVC-NF121F

NDA
COMPLIANT

CE

FC

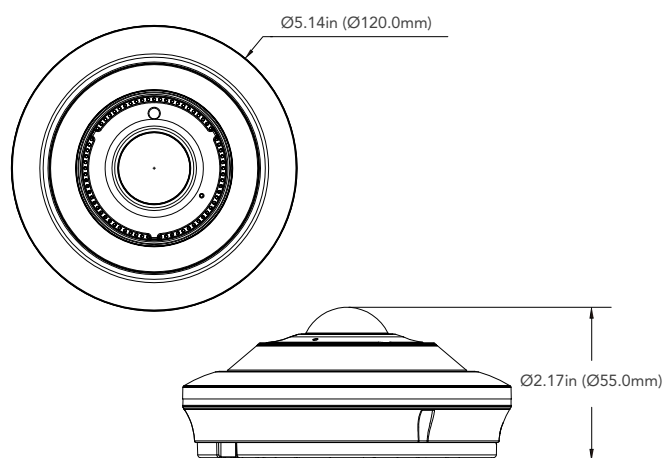
12MP H.265 FISHEYE NETWORK CAMERA

OVERVIEW

- 12MP (4000x3000) @ 15fps
- Max. resolution: 4000x3000
- Supports H.265+/H.265, H.264+/H.264, MJPEG Video Compression
- 360° Fisheye Lens, Panoramic View, e-PTZ Function
- Smart IR Illumination Up to 32.8ft (10m)
- True Day/Night ICR Auto Switch
- DNR, Digital WDR, 8 ROI Encoding, HLC & BLC
- Smart Alarm with Motion and Sensor Features
- Built-in micro SD card slot with video and still image capture function (up to 512GB)
- Built-in Speaker and MIC
- DC 12V(±10%) / PoE(802.3af) < 12W
- Support remote monitoring by AVYCON ONE (Mobile APP) and AVYCON CMSONE (CMS)

DIMENSIONS

Unit : inch(mm)



OPTIONAL ACCESSORIES

SPECIFICATIONS

CAMERA	
Image Sensor	1/2.3" Progressive CMOS
Resolution	12MP
Image Size	4000x3000
Shutter Speed	1/5s to 1/20000s
Min. Illumination	Color 0.01 lux @ F1.6 (AGC ON); B/W 0 lux @ IR ON
IR Distance	Up to 32.8ft (10m)
Lens	1.6mm @ F 2.0 ±5% Horizontal FOV: 180° (Wall Mount), 360° (Ceiling Mount)
Day & Night	IR cut filter with auto switch (Day/Night/Auto/Image/Schedule)
Wide Dynamic Range	DWDR
Digital NR	Yes
Backlight Compensation (BLC)	Off/On (5 Zone)
Highlight Compensation (HLC)	Yes
Defog	Yes
Gain Control	Auto
White Balance	Auto/Manual/Indoor
Flip/Mirror	Yes
VIDEO IMAGE	
Video Compression	Main stream: H.265 / H.264 / H.265+ / H.264+ / MJPEG Sub/third stream: H.264 / H.265 / MJPEG
Resolution	4000x3000, 3000x3000, 2560x2560, 2160x2160, 1520x1520, 1280x960, 1080x1080, 720x720, 640x480, 480x480
Main Stream	4000x3000@15FPS / 3000x3000, 2560x2560, 2160x2160, 1520x1520, 1080x1080, 720x720 @ 25FPS
Sub Stream	1280x960, 640x480 @ 15FPS
Mobile Stream	480x480 @ 15 FPS
Video Bit Rate	256Kbps ~ 16Mbps
Image Settings	Day & Night, BLC, DWDR, DNR, Privacy Masking, White Balance
ROI	Yes
NETWORK/INTERFACE	
Network	RJ45(10/100BASE-T)
Network Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
Interface Protocol	ONVIF(Profile S/G/T)
Web Browser	Microsoft Edge, Safari, Firefox, Google Chrome
Online Connection	Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission
Security	IP Address Filter; Complicated Password; Authenticated Username and Password
Streaming Method	Unicast / Multicast
Storage	Micro SD/SDHC/SDXC Slot (up to 512GB) with video and still image capture function
Video Output	No
Audio	Built-in microphone / Built-in Speaker
Alarm	Input / Output
Hardware Reset	Yes
FUNCTIONS	
Remote Monitoring	Avycon CMSONE, Avycon Moblie One
Smart Analytics	Intrusion Detection / Tripwire Detection / Stationary Object Detection / Tripwire Count / Heat Map / Crowd Density Detection / Queue Length Detection / Rare Sound Detection
GENERAL	
Power Supply	D12V/POE(IEEE802.3af)
Power Consumption	3.8~9.6W
Operating Environment	-35~60°C / less than ≤ 95% RH
Dimensions (in)	5.14x2.17in (Ø120x55mm)
Weight (net)	0.88lb (400g)
Ingress Protection	IP66