



## AVC-NF121F

NDA  
COMPLIANT | CE | FC

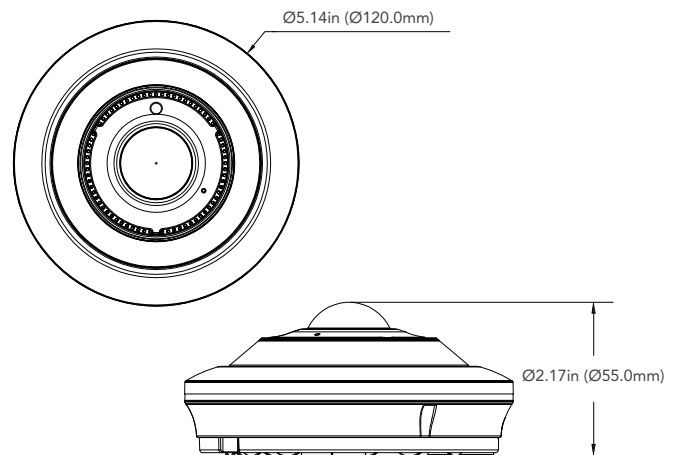
12MP H.265 FISHEYE NETWORK CAMERA

### OVERVIEW

- 6MP (4000x3000) @ 30fps
- Max. resolution: 2160x2160
- 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 up to 256 GB
- 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, 640x480 @ 15FPS / 1080x1080, 720x720, 480x480 @ 25 FPS  |
| Third Stream                 | 480x480 @ 25 FPS   |
| Video Bit Rate               | 256Kbps ~ 16Mbps   |
| Image Settings               | Day & Night, BLC, WDR, 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                      | Built-in micro SD card slot, up to 256GB   |
| 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 / Heal 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   |