



# AVC-PHN121FLT

NDA  
COMPLIANT

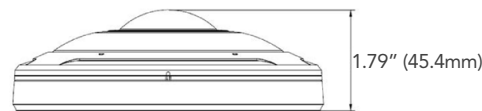
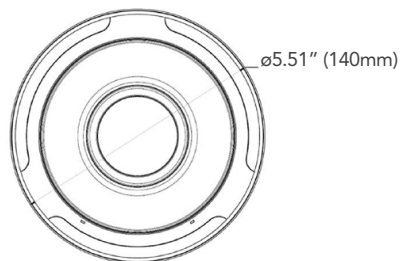
12MP H.265 PANORAMIC FISHEYE NETWORK CAMERA

## OVERVIEW

- H.265 Main Profile Video Compression
- Maximum Resolution: 4000 x 3000
- 12MP (4000 x 3000) Full Real Time Coding
- 360° Fisheye Lens, Panoramic View, e-PTZ Function
- Smart IR Illumination Up to 50ft.
- True Day/Night ICR Auto Switch & Hardware Reset Button
- 3D DNR, Digital WDR, 8 ROI Encoding, HLC & BLC
- Supports PoE (802.3af, <12W)
- Smart Alarm with Motion and Sensor Features
- Supports Local CVBS Video Output and Two-Way Audio
- Built-in Microphone
- Built-in micro SD card slot with video and still image capture function (up to 256GB)
- Compatible ONVIF Profile Protocol
- Supports Triple Streams
- P2P Remote Connection Function
- Supports Monitoring by Smart Phones, iPad, and Remote-Monitoring
- IP67 Outdoor Rating
- DC12V (±10%) / PoE (802.3af) <12W
- Fully NDA Compliant

## DIMENSIONS

Unit : inch(mm)



## OPTIONAL ACCESSORIES



AVM-PDMT-W-A1  
JUNCTION BOX



AVM-PPMT-W-A1  
PENDANT MOUNT



AVM-PWMT-W-A1  
WALL MOUNT

## SPECIFICATIONS

CAMERA	
Image Sensor	1/1.7" Progressive Scan CMOS
Resolution	12MP
Image Size	4000 x 3000
Electronic Shutter	1s to 1/100,000s
Lens	360° Fisheye, Panoramic 1.98mm@F2.8
Min. Illumination	Color: 0.01Lux@F1.2/Color: 0.05Lux@F2.8, B/W: 0Lux with IR on
IR Distance	Up to 50ft. (15m)
Slow Shutter	Yes
Day & Night	True
Wide Dynamic Range	120dB Super WDR
Digital NR	Yes (2D / 3D DNR)
Backlight Compensation (BLC)	Yes
Highlight Compensation (HLC)	Yes
ROI	Yes, Up to 8 areas
VIDEO STREAM	
Max. Image Resolution	4000 x 3000
Primary Stream	Fisheye View: 30fps@(3000x3000, 2560x2560, 1920x1920, 1280x1280)
Secondary Stream	Fisheye View: 30fps@(1280x960, 1024x1024, 736x736, 576x576)
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264
Video Bit Rate	16Kbps ~ 16Mbps (CBR / VBR Adjustable)
Image Settings	ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. (Adjustable through Software or Browser)
NETWORK	
Ethernet	1 x RJ45 10M / 100M Ethernet Port
Network Storage	NAS(Support NFS, SMB/CIFS), ANR
Remote Monitoring	Web Browser Interface, AVYCON CVMS / CVMS 2.0
Online Connections	Supports Up to 10 Concurrent Users
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL
AUDIO	
Audio Compression	G.711/AAC/G.722/G.726
Audio Bit-Rate	16Kbps ~ 256Kbps
Audio I/O	Two-Way:1CH In / 1 CH Out, Built-in Microphone
INTELLIGENT ANALYTICS	
Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removal
People Counting & Report	Count the number of people entering or exiting
SYSTEM	
Advanced Function	Auto Tracking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Deblur, Watermark
Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc
Local Storage	Micro SD/SDHC/SDXC Slot (up to 256GB) with video and still image capture function
Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc
SIP/VoIP Support	Yes, Voice & Video-over-IP
FISHEYE	
Mount Mode	Ceiling Mount/Wall Mount/Flat Mount
Decoding Mode	Decoding Mode On-board Dewarping/Client-side Dewarping
Display Mode	11 display modes in total; Client-side Dewarping: Ceiling Mount: 1O, 1P, 2P, 4R, 1O3R, 1P1R, 1P4R, 1P6R, 1O8R Wall Mount: 1O, 1P, 4R, 1O3R, 1P1R, 1P4R Table Mount: 1O, 1P, 2P, 4R, 1O3R, 1P1R, 1P4R, 1P6R, 1O8R On-board Dewarping: Ceiling Mount: 1O, 1P, 2P, 4R, 1O3R, 1P3R, 1O1P3R Wall Mount: 1O, 1P, 4R, 1O3R, 1P3R, 1O1P3R Table Mount: 1O, 1P, 2P, 4R, 1O3R, 1P3R, 1O1P3R Note: 1. Only Fisheye in Multi-Channel Mode supports 1O1P3R. 2. The above letters O, P and R are explained as follows: O----Fisheye View; P----180° Panoramic View; 2P----2*180° Panoramic View; R----PTZ
GENERAL	
Supported Protocols	ONVIF Profile G & Q & S & T, API
Input Voltage	DC 12V(±10%) / PoE(802.3af)
Power Consumption	≤6W / ≤11W (With IR ON)
Ingress Protection	IP67 & IK10
Working Environment	-40°~140° F (-40°~60° Celcius)
Working Humidity	0~90% (Non-Condensing)
Weight	2.42lbs
Dimensions	Ø5.51" x 1.79" (Ø140.0mm x 45.4mm)