



# AVC-NPE81F2D AI

NDA  
COMPLIANT | CE | FC

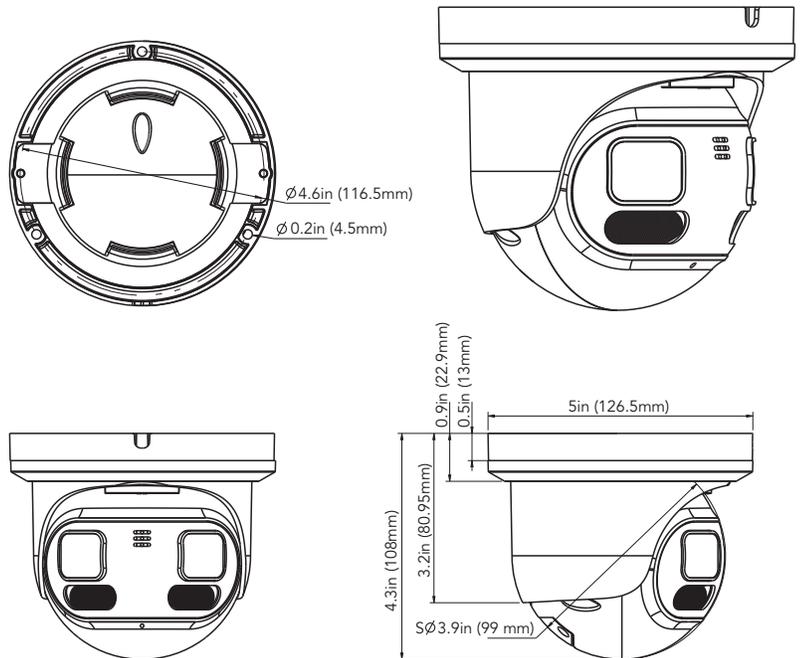
8MP H.265 DUAL LENS PANORAMIC TURRET NETWORK CAMERA

## OVERVIEW

- 8MP (5120×1440) H.265+, H.265, H.264+, H.264, MJPEG
- Max. resolution: 5120×1440
- Dual Lens Stitched Panoramic View (2 x 2.8mm Fixed Lens)
- Full Color / Active Deterrence Camera
- 3D DNR, WDR, HLC, BLC, ROI encoding
- Intelligent Analytics
- White Light LED / Strobe (Blue & Red) Light
- Built-in MIC / Speaker
- Built-in micro SD card slot, up to 512GB
- IP67 ingress protection
- DC12V/PoE power supply
- Support remote monitoring by AVYCON ONE (Mobile APP) and AVYCON CMSONE (CMS)

## DIMENSIONS

Unit : inch(mm)



## OPTIONAL ACCESSORIES



AVM-JB-BE-S2  
JUNCTION BOX



AVM-CWM-EDV-L1  
COMPACT  
WALL MOUNT



AVM-HWM-E-L1  
WALL MOUNT  
WITH JUNCTION BOX



AVM-HCM-E-L1  
CEILING MOUNT  
WITH JUNCTION BOX



AVM-JB-DUAL-UL1  
DUAL JUNCTION BOX



AVM-POM-A1  
POLE  
MOUNT BRACKET



AVM-CRM-A1  
CORNER  
MOUNT BRACKET

## SPECIFICATIONS

VIDEO	
Image Sensor	1/2.7" Progressive Scan CMOS x2
Max. Resolution	5120x1440
Min. Illumination	Color: 0.001 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/5s to 1/20000s
Slow Shutter	Yes
Day & Night	IR cut filter
Zoom	N/A
LENS	
Focal Length	2.8 mm Fixed
FOV	Horizontal field of view: 180°
Aperture	F1.0
ILLUMINATOR	
Supplement Light Range	IR Distance: Up to 98ft /Warm light: up to 49ft
Supplement Light Type	IR & Warm light
VIDEO	
*Main Stream	60/50Hz@15fps; 5120x1440; 4608x1296; 4096x1152; 3840x1080; 3072x864
Sub-Stream	60/50Hz@15fps; 2048x576; 1536x432; 1024x288
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265+/H.265/H.264+/H.264/MJPEG
Video Bit Rate	8 kbps to 8192kbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Region Of Interest (ROI)	N/A
Audio	N/A
Audio Compression	G.711a/G.711u
NETWORK	
Protocols	IPv4/IPv6, HTTP, HTTPS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, DHCP, PPPoE,
API	Onvif ( Profile S, Profile G, Profile T, Profile M), Http API
Simultaneous	Live View Up to 15 channels
User/Host	7 User
Security	Password protection, Complicated password, HTTPS encryption, IP address filter, Control timeout settings
Client	VMS
Web Browser	IE11, Chrome 57+, Firefox 52+, Safari 11+
IMAGE	
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	DWDR
Image Settings	Saturation, brightness, contrast, sharpness, Hue and white balance adjustable by client software or web browser
Privacy	4 privacy masks
INTERFACE	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Micro SD/SDHC/SDXC Slot (up to 512GB) with video and still image capture function
Alarm	Built-in red & blue flashing lights
Audio	1 Built-in MIC, Built-in Speaker
Reset Button	Supported
EVENT	
Basic Event	Motion detection
Analytics	Face Detection, Human & Vehicle Detection, Intrusion Detection, Tripwire Detection, Stationary Object Detection, Tripwire Count, Heat Map, Crowd Density Detection, Queue Length Detection, License Plate Detection, Rare Sound Detection, Loitering Detection, Region Entrance Detection, Region Exiting Detection
GENERAL	
Power	DC 12V/POE, max. TBD
Protection	IP67
Operating Condition	-22 °F to 149 °F(-30 °C to 60 °C ), Humidity 90% or less (non-condensing)
Material	Metal
Dimension	Ø4.3in x 5in (Ø108 mm × 127 mm) / 1.47lb (668g)

\*Highest main stream resolution (5120x1440) is not supported on the following PoE NVR models: AVR-NSV04P4, AVR-NSV08P8, AVR-NSV16P16  
Please contact our sales department for the most updated compatible model NVR's that supports highest main stream resolution (5120x1440).