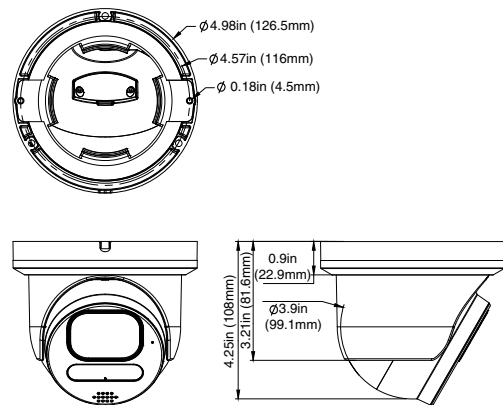# AVC-NDE81M AI

NDAA COMPLIANT | CE | FC

8MP H.265 TURRET NETWORK CAMERA
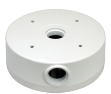Active Deterrence 24/7 Color

OVERVIEW

- 8MP (3840x2160) H.265+/H.264+/MJPEG
- Max. resolution: 3840x2160
- Full Color / Active Deterrence Camera
- 2.8-12mm Motorized Lens (F1.0)
- 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 256GB
- IP67 ingress protection
- DC12V/PoE power supply
- Support remote monitoring by AVYCON ONE (Mobile APP) and AVYCON CMSONE (CMS)

DIMENSIONS

Unit : inch(mm)

Ø4.98in (126.5mm)
Ø4.57in (116mm)
Ø 0.18in (4.5mm)

4.25in (108mm)
3.21in (81.6mm)
0.9in (22.9mm)
Ø3.9in (99.1mm)

OPTIONAL ACCESSORIES

AVM-JB-BE-L1
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-POM-A1
POLE
MOUNT BRACKET

AVM-CRM-A1
CORNER
MOUNT BRACKET

AVM-JB-DUAL-UL1
DUAL CAMERA
JUNCTION BOX

SPECIFICATIONS

CAMERA	
Imaging Device	1/2.8"
Effective Pixels	8MP 3840(H)×2160(V)
Scanning System	Progressive CMOS
Min. Illumination	Color 0.007lux @ F1.0(AGC ON) ; B/W 0 lux @ IR ON
LENS	
Focal Length (Zoom Ratio)	2.8-12mm
Max. Aperture Ratio	F No. 1.2
Angular Field of View	Horizontal:107(W)-34(T)°, Vertical:56(W)-19(T)°, Diagonal:129(W)-39(T)°
Min. Object Distance	1.5m
Lens Type	Ø16.7
OPERATIONAL	
IR LED	2
WarmLight	2
Red Blue Light	2（1 Red&1 Blue)
IR Viewable Length	Up to 98ft (30m)
WarmLight Viewable Length	Up to 82ft (25m)
Type of complementary light	Default warm light, switchable infrared light
Motion Detection	Off/On (8 Level)
Wide Dynamic Range	WDR
Digital Noise Reduction	3D DNR
Image Setting	Full Color Mode/Day&Night Mode/Smart Illumination
White Balance	Auto/Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
On-Board Storage	Micro SD slot, up to 256GB
Alarm	Yes
Audio	Built-in microphone&Speaker
Custom Voice	Yes
Hardware Reset	Yes
Smart Feature	Face Recognition, Pedestrian & Vehicle, Perimeter Intrusion, Line Crossing, Object Detection, Crossing Counting, Heat Map, Crowd Density, Queue Length, Rare Sound, Intrusion, Region Entrance, Region Exiting
NETWORK	
Ethernet	RJ45(10/100BASE-T)
Video Compression Format	H.265/H.264
Resolution	Main Stream@30fps: 8MP(3840x2160), 5MP(2592x1944,3072x1728), 4MP(2592x1520), 3MP(2304x1296), 1080P(1920x1080), 960P(1280*960), 720P(1280x720)
	Sub Stream@30fps: 720P(1280x720), VGA(640x480), QVGA(320x240)
	Mobile Stream@30fps: VGA(640x480), QVGA(320x240)
Video Quality Adjustment	256Kbps ~ 16Mbps
Bitrate control method	CBR/VBR
IP	IPv67
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
Security	IP address filter;complicated password;Authenticated username and password
Application Programming Interface	ONVIF(Profile S/G/T/M)
Web Viewer	IE10/11, Safari V12.1 above, Firefox V.52 above, Google Chrome V.57 above, Edge V.79 above
ENVIRONMENTAL	
Operating Conditions	-31~+140°F (-35〜+60°C) /less than ≤ 90% RH
Ingress Protection	IP67
ELECTRICAL	
Input Voltage / Current	D12V/POE(IEEE802.3af)
Power Consumption	DC12V：max 7.8W；POE（48V): max 9.1W
MECHANICAL	
Material	Metal
Dimensions	ø4.98 x 4.25in (ø126.5 x 108mm)