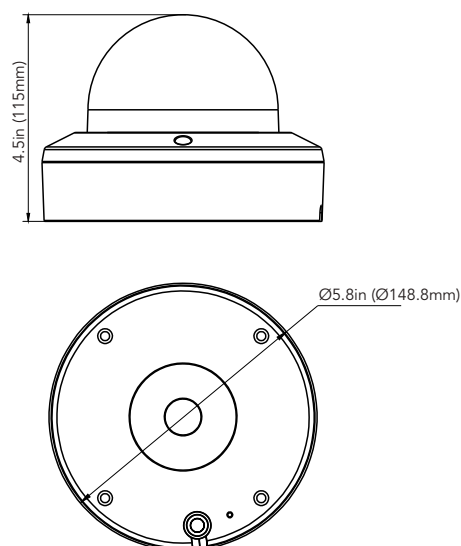# AVC-NCV81M AI

NDAA COMPLIANT | CE | FC

8MP H.265 MOTORIZED VANDAL DOME NETWORK CAMERA

OVERVIEW

- 8MP (3840x2160) H.265/H.264
- Max. resolution: 3840x2160
- Full Color
- 2.8-12mm Motorized Lens (F1.2)
- 3D DNR, WDR, HLC, BLC, ROI encoding
- Intelligent Analytics
- White Light LED
- 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)

4.5in (115mm)

Ø5.8in (Ø148.8mm)

OPTIONAL ACCESSORIES

AVM-JB-VG-L3
JUNCTION BOX

AVM-CWM-VG-L3
COMPACT
WALL MOUNT

AVM-HWM-VG-L3
WALL MOUNT
WITH JUNCTION BOX

AVM-RM-V-L1
RECESSED
CEILING MOUNT

AVM-WS-V-L1
WEATHER SHIELD

SPECIFICATIONS

VIDEO	
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 TYPE	
Focal Length (Zoom Ratio)	2.8-12mm
Max. Aperture Ratio	F No. 1.2
Angular Field of View	H:107(W)-34(T)° V: 56(W)-19(T)° D: 129(W)-39(T)°
Min. Object Distance	1.5m
Lens Type	Ø16.7
OPERATIONAL	
IR LED	2
White Light	2
IR Viewable Length	Up to 82ft (25m)
White Light Viewable Length	Up to 65ft (20m)
Type of complementary light	Default white Light, switchable infrared light
Backlight Compensation	Off/On (5 Zone)
Wide Dynamic Range	WDR
Digital Noise Reduction	3D DNR
Motion Detection	Off/On (8 Level)
Image Setting	Full Color Mode/Day&Night Mode/Smart Illumination
Privacy Masking	Off/On (4 Zone, Rectangle)
Gain Control	Auto
White Balance	Auto/Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
On-Board Storage	Micro SD slot, up to 256GB
Alarm	N/A
Audio	Built-in Mic & Speaker
Hardware Reset	Yes
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
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(1280x960), 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
Streaming Capability	Triple-Stream(Main/Sub/Mobile)
IP	IPv6
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
Streaming Method	Unicast/Multicast
Max. User Access	Max 7 (admin+user)
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, Microsoft 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 7.1W; POE (48V): max 9.2W
MECHANICAL	
Material	Metal
Dimension	Ø5.8 x 4.5in (Ø148.8 x 115mm)
Weight	2.1lbs (963g)