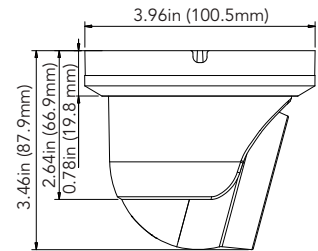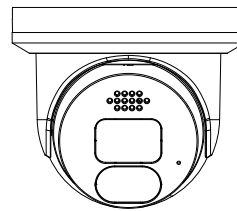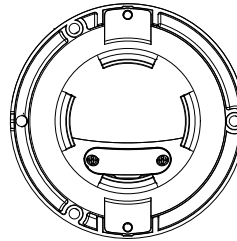# AVC-NDE81F28 AI

NDAA COMPLIANT | CE | FC

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

OVERVIEW

- 8MP (3840x2160) H.265+/H.264+/MJPEG
- Max. resolution: 3840x2160
- Full Color / Active Deterrence Camera
- 2.8mm Fixed 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)

3.96in (100.5mm)

3.46in (87.9mm)
2.64in (66.9mm)
0.78in (19.8mm)

OPTIONAL ACCESSORIES

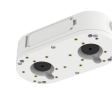| AVM-JB-BES2 JUNCTION BOX | AVM-CWM-EV-S2 COMPACT WALL MOUNT | AVM-HWM-E-S2 WALL MOUNT WITH JUNCTION BOX | AVM-HCM-E-S2 CEILING MOUNT WITH JUNCTION BOX | AVM-CRM-A1 CORNER MOUNT BRACKET | AVM-POM-A1 POLE MOUNT BRACKET | AVM-JB-DUAL-US1 DUAL CAMERA JUCTION BOX |

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 mm
Max. Aperture Ratio	F No. 1.0
Angular Field of View	Horizontal: 105°, Vertical: 55°, Diagonal: 125°
Min. Object Distance	2m
Lens Type	Fixed(M12)
OPERATIONAL	
IR LED	1
WarmLight	2
Red Blue Light	2 （1 Red&1 Blue)
IR Viewable Length	Up to 82ft (25m)
WarmLight Viewable Length	Up to 65ft (20m)
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	NA
Audio	Built-in microphone&Speaker
Custom Voice	Yes
Hardware Reset	Yes
Analytics	Face Recognition, Human & Vehicle Detection, Intrusion Detection, Tripwire Detection, Stationary Object Detection, Tripwire Count, Heat Map, Crowd Density Detection, Queue Length 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(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	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
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℃) /less than ≤ 90% RH
Ingress Protection	IP67
ELECTRICAL	
Input Voltage / Current	D12V/POE(IEEE802.3af)
Power Consumption	DC12V: max 5.9W; POE (48V): max 7.1W
MECHANICAL	
Material	Metal
Dimensions	3.96 x 3.46in (100.5 x 87.9mm)
Weight	0.9lb (425g)