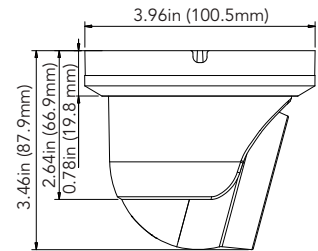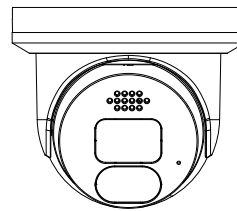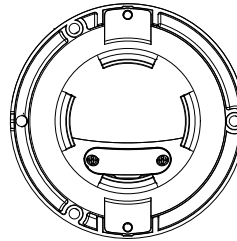# AVC-NDE81F28 AI

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 (19.8 mm)

## OPTIONAL ACCESSORIES

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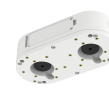
# SPECIFICATIONS

| 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 | 2 |
| 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 |
| Smart Feature | Face Recognition, Pedestrian & Vehicle, Perimeter Intrusion, Line Crossing, Object Detection, Crossing Counting, Heat Map, Crowd Density, Queue Length, License Plate, 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)<br>Sub Stream@30fps: 720P(1280x720), VGA(640x480), QVGA(320x240)<br>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°C) /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) |