# AVC-NKD81M AI

NDAA COMPLIANT | TAA COMPLIANT | CE | FC
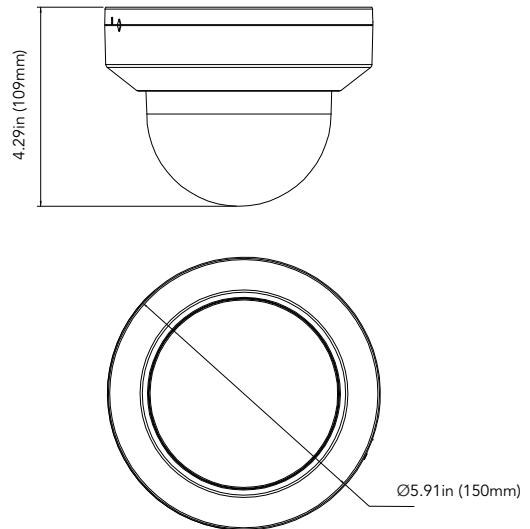
8MP H.265 MOTORIZED LENS INDOOR DOME NETWORK CAMERA

## OVERVIEW

- 8MP (3840x2160) @ 30fps
- Max. resolution: 3840x2160
- H.265+/H.265, H.264+/H.264, MJPEG Encoding
- Day & Night AUTO ICR
- Motorized 2.7-13.5mm Lens (F1.8(Wide) ~ 3.3(Tele))
- 3D DNR, WDR, HLC, BLC, ROI encoding
- Intelligent Analytics
- Built-in micro SD card slot, up to 256GB
- DC12V/PoE power supply
- Support remote monitoring by AVYCON ONE (Mobile APP) and AVYCON CMSONE (CMS)

## DIMENSIONS

Unit : inch(mm)

4.29in (109mm)

Ø5.91in (150mm)

## OPTIONAL ACCESSORIES

AVM-CWM-EDV-L1
JUNCTION BOX

AVM-POM-A1
POLE
MOUNT BRACKET

AVM-CRM-A1
CORNER
MOUNT BRACKET

# SPECIFICATIONS

| | |
|---|---|
| **VIDEO** | |
| Imaging Device | 1/2.8" Progressive CMOS |
| Resolution | Main Stream: 3840x2160, 3072x1728, 2592x1944, 2592x1520, 2304x1296, 1920x1080, 1280x960, 1280x720 |
| | Sub Stream: 1920x1080, 1280x720, 640x480 |
| | Mobile Stream: 640x480, 320x240 |
| Max. Framerate | Main Stream: Max. 30fps/25fps (60Hz/50Hz) |
| | Sub Stream: Max. 30fps/25fps (60Hz/50Hz) |
| | Mobile Stream: Max. 30fps/25fps (60Hz/50Hz) |
| Min. Illumination | Color: 0.009 lux @ F1.6 (AGC on) |
| | B/W: 0 lux (IR LED on) |
| Compression | Video: H.265+/H.265 Main Profile, H.264+/H.264 High Profile, MJPEG (Sub Stream Only) |
| | Audio: G.711a / G.711u |
| Bitrate Control | CBR or VBR (256Kbps ~ 8Mbps) |
| **LENS** | |
| Focal Length (Zoom Ratio) | 2.7-13.5mm |
| Max. Aperture Ratio | F1.8 (Wide)~3.3 (Tele) |
| Angular Field of View | Horizontal: 111°(W)~33°(T), Vertical: 57°(W)~18°(T), Diagonal: 134°(W)~37°(T) |
| Min. Object Distance | 2.62ft (0.8M) (Wide)~3.28ft (1M) (Tele) |
| Focus Control | Simple Focus |
| Lens Type | Motorized (Ø14) |
| **PAN / TILT / ROTATE** | |
| Pan / Tilt / Rotate Adjustment | Manual Adjustment |
| **OPERATIONAL** | |
| Camera Title | Title Displayed up to 32 characters |
| Day & Night | AUTO (ICR) |
| Exposure Compensation | BLC, HLC, WDR |
| Digital Noise Reduction | 3D DNR |
| Digital Image Stabilization | N/A |
| Motion Detection | Rectangle Grid (8 Levels of Sensitivity) |
| Privacy Masking | 4 Rectangle Zones |
| Gain Control | AUTO |
| White Balance | AUTO / MANUAL |
| LDC | N/A |
| Eletronic Shutter Speed | AUTO / Manual (1/5 ~ 1/20000s) |
| Video Rotation | Flip / Mirror |
| Analytics | Face Detection (FD), Pedestrian & Vehicle Detection (PD&VD), Intrusion Detection (ID), Line Crossing Detection (TD), |
| | Tripwire Counting (TC), Stationary Object Detection (OBJ), Heat Map (HM), Crowd Density Detection (CD), Queue Length Detection (QD), |
| | License Plate Detection (LPR), Rare Sound Detection (RSD) |
| Alarm I/O | 1 Input / 1 Output |
| Alarm Triggers | Motion, Alarm, Sound Detection |
| Alarm Events | Notification via E-mail, Image file upload via FTP, Video file upload via FTP, Image file upload to Cloud (Dropbox), |
| | Video file upload to Cloud (Dropbox), Micro SD recording at event triggered, Event Push via HTTP / UDP |
| Audio In | 1 Line-In (RCA) |
| Audio Out | 1 Line-Out (RCA) |
| IR Viewable Length | 98ft (30M) |
| **NETWORK** | |
| Ethernet | RJ45 (10/100BASE-T) |
| Streaming | Unicast / Multicast |
| Protocol | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP |
| Security | Login Authentication, IP Address Filtering, User access log |
| Application Programming Interface | ONVIF Profile S/G/T, REST API |
| **GENERAL** | |
| Webpage Language | English, Korean |
| Edge Storage | Micro SD/SDHC/SDXC Slot (256GB) |
| Memory | N/A |
| **ENVIRONMENTAL & ELECTRICAL** | |
| Operating Temperature / Humidity | -31°~140°F (-35°~+60°C) / less than ≤ 95% RH |
| Storage Temperature / Humidity | |
| Input Voltage | PoE (IEEE802.3at) / 12VDC |
| Power Consumption | Max. 5W (IR LED off), Max. 8W (IR LED on) |
| **MECHANICAL** | |
| Color / Material | White / Metal |
| Product Dimensions / Weight | Ø5.91x4.29in (150x109mm) / 0.99lbs (451g) |
| **DORI (EN62676-4-STANDARD)** | |
| Detect (25PPM / 8PPF) | |
| Observe (63PPM / 19PPF) | |
| Recognize (125PPM / 38PPF) | |
| Identify (250PPM / 76PPF) | |