



# AVC-NKB81M **AI**

NDA  
COMPLIANT | TAA  
COMPLIANT | CE | FC

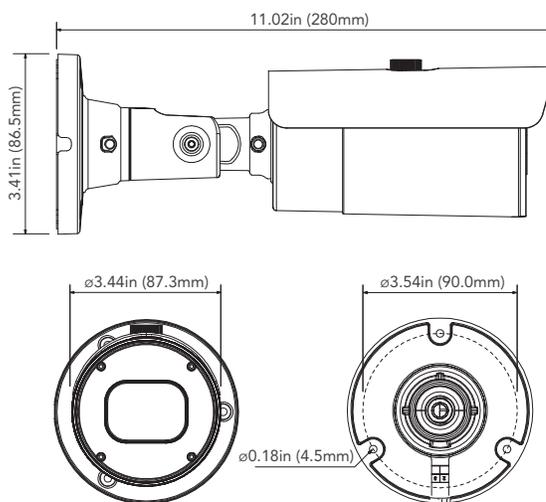
8MP H.265 MOTORIZED LENS BULLET NETWORK CAMERA

## OVERVIEW

- 8MP (3840x2160) @ 30fps
- Max. resolution: 3840x2160
- H.265+/H.265, H.264+/H.264, MJPEG Encoding
- Day & Night AUTO ICR
- Motorized Varifocal 2.7mm - 13.5mm Lens (F1.8(Wide) - 3.3(Tele))
- 3D DNR, WDR, HLC, BLC, ROI encoding
- Intelligent Analytics
- Built-in micro SD card slot with video and still image capture function (up to 512GB)
- IP67 ingress protection
- DC12V/PoE power supply
- Support remote monitoring by AVYCON ONE (Mobile APP) and AVYCON CMSONE (CMS)

## DIMENSIONS

Unit : inch(mm)



## OPTIONAL ACCESSORIES



AVM-JB-BE-S2  
JUNCTION BOX



AVM-JB-BE-L1  
JUNCTION BOX



AVM-JB-DUAL-UL1  
DUAL JUNCTION BOX



AVM-HWM-E-L1  
WALL MOUNT  
WITH JUNCTION BOX



AVM-HCM-E-L1  
CEILING MOUNT  
WITH JUNCTION BOX



AVM-CRM-A1  
CORNER  
MOUNT BRACKET



AVM-P-POM-A2  
POLE  
MOUNT BRACKET



AVA-MICSPKSRN  
AUDIBLE AND VISUAL  
ALARM DEVICE

## SPECIFICATIONS

<b>VIDEO</b>	
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 ~ 16Mbps)
<b>LENS</b>	
Focal Length (Zoom Ratio)	2.7~13.5mm Motorized Varifocal
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)
<b>PAN / TILT / ROTATE</b>	
Pan / Tilt / Rotate Adjustment	Manual Adjustment
<b>OPERATIONAL</b>	
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
Electronic 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	147ft (45M)
<b>NETWORK</b>	
Ethernet	RJ45 (10/100BASE-T)
Streaming	Unicast / Multicast
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP, RTMP (v8.2.3 firmware and above)
Security	Login Authentication, IP Address Filtering, User access log
Application Programming Interface	ONVIF Profile S/G/T/M, REST API
<b>GENERAL</b>	
Webpage Language	English, Korean
Edge Storage	Micro SD/SDHC/SDXC Slot (up to 512GB) with video and still image capture function
Memory	N/A
<b>ENVIRONMENTAL &amp; ELECTRICAL</b>	
Operating Temperature / Humidity	-31°~140°F (-35°~+60°C) / less than ° 95% RH
Storage Temperature / Humidity	
Certification	IP67 / NDAA / TAA
Input Voltage	PoE (IEEE802.3at) / 12VDC
Power Consumption	Max. 5W (IR LED off), Max. 10W (IR LED on)
<b>MECHANICAL</b>	
Color / Material	White / Metal
Product Dimensions / Weight	Ø11.02x3.41in (Ø280x86.5mm) / 1.79lbs (811g)
<b>DORI (EN62676-4 STANDARD)</b>	
Detect (25PPM / 8PPF)	
Observe (63PPM / 19PPF)	
Recognize (125PPM / 38PPF)	
Identify (250PPM / 76PPF)	