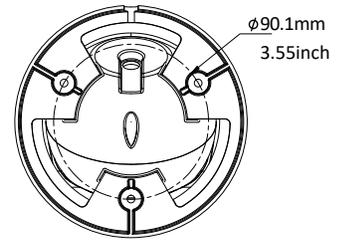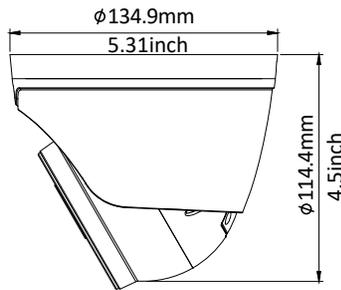# AVC-NTE51M07 AI

NDAA COMPLIANT | CE | FC

5MP THERMAL TURRET NETWORK CAMERA

OVERVIEW

- 5MP (2592x1944) H.265+, H.265, H.264+, H.264, MJPEG
- Max. resolution: 2592x1944
- Optical : 8mm Fixed Lens (F1.6)
- Thermal : 7mm Fixed Lens (F1.0)
- 3D DNR, WDR, HLC, BLC, ROI encoding
- Intelligent Analytics
- White Light / Red & Blue LED
- Built-in MIC / Speaker
- 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)

φ134.9mm
5.31inch

φ114.4mm
4.5inch

φ90.1mm
3.55inch

OPTIONAL ACCESSORIES

AVM-JB-BE-L1	AVM-JB-DUAL-UL1	AVM-CWM-EDV-L1	AVM-HWM-E-L1	AVM-HCM-E-L1	AVM-CRM-A1	AVM-P-POM-A2
JUNCTION BOX	DUAL JUNCTION BOX	COMPACT WALL MOUNT	WALL MOUNT WITH JUNCTION BOX	CEILING MOUNT WITH JUNCTION BOX	CORNER MOUNT BRACKET	POLE MOUNT BRACKET

SPECIFICATIONS

THERMAL MODULE	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max Resolution	256×192
Pixel Interval	12μm
Response Waveband	8-14μm
NETD (Noise Equivalent Temperature Difference)	≤40mk@25°C F # 1.0, 25Hz
Lens (Focal Length)	7mm
IFOV	1.69 mrad
Field of View	24.8° x 18.7°
Min. Focusing Distance	3.28ft (1m)
Aperture	F 1.0
DRI Distance Human	Detection: 909ft(277m), Recognition: 260ft(79m), Identification: 131ft(40m)
DRI Distance Vehicle	Detection: 3018ft(920m), Recognition: 755ft(230m), Identification: 377ft(115m)
VCA Range for Humans	197ft(60m)
VCA Range for Vehicles	558ft(170m)
Heat Detection Distance	197ft(60m)
OPTICAL MODULE	
Max. Image Resolution	2592 x 1944
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.003 Lux @(F1.6, AGC ON), B/W: 0 @IR ON
Shutter Speed	1/5 s to 1/20,000s
Lens (Focal Length)	8mm
Field of View	Horizontal: 42.3°, Vertical: 23.4°, Diagonal: 48.7°
WDR	120 dB
Day & Night	IR cut filter with auto switch
IMAGE FUNCTION	
Bi-spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel
SMART FUNCTION	
Intelligent Analytics	Optical: Loitering, Region Entrance, Region Exiting, Tripwire, Human & Vehicle, Stationary Object Detection, Tripwire Count, Crowd Density, Queue Length, Heat MAP, Rare Sound, Face Detection, Thermal: Loitering, Region Entrance, Region Exiting, Tripwire, Fire detection, Temperature exception alarm, Human & Vehicle
Temperature Measurement	3 temperature measurement rule types (points, areas, and line), 20 rules in total
Temperature Range	-4 °F to + 1022°F (-20 °C to + 550 °C)
Temperature Accuracy	± 37.4°F (3°C) / 3%
Fire Detection	Dynamic fire point detection
INFRARED	
IR Distance	IR : Up to 164ft (50m) / Warm light: 98ft (30m)
NETWORK	
Main Stream	Optical: 50Hz@25fps; 5MP(2592x1944),4MP(2592x1520),3MP(2304x1296),1080P(1920x1080), 960P(1280x960),720P(1280x720) 60Hz@30fps; 5MP(2592x1944),4MP(2592x1520),3MP(2304x1296),1080P(1920x1080), 960P(1280x960),720P(1280x720) Thermal: 50Hz/60Hz@25fps; 1280 × 720, 640 x 480
Sub-stream	Optical: 50Hz@25fps; 720P(1280x720),VGA(640x480),QVGA(320x240) 60Hz@30fps; 720P(1280x720),VGA(640x480),QVGA(320x240) Thermal: 50Hz/60Hz@25fps; 640 x 480, 320x240
Mobile Stream	Optical: 50Hz@25fps; VGA(640x480), QVGA(320x240), 60Hz@30fps; VGA(640x480),QVGA(320x240) Thermal: 50Hz/60Hz@25fps; VGA(640x480), QVGA(320x240)
Video Compression	H.265/H.264/MJPEG/H.265+/H.264+
Audio Compression	G.711u/G.711a
Protocols	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP
User/Host Level	6 users, 2 levels: Administrator, User
Security Measures	User authentication (ID and PW), HTTPS encryption, IP address filtering
INTEGRATION	
Alarm Input	1-ch input
Alarm Output	1-ch output
Alarm Action	SD recording/relay output/smart capture/FTP upload/email linkage/audio alarm/Red & Blue flashing light
Audio Input	1-ch
Audio Output	1-ch output/ 1 Built-in speaker
Reset	Yes
Communication Interface	1, RJ45 10M/100M self-adaptive Ethernet interface
SD Memory Card	Built-in micro SD card slot (up to 512 GB)
Analog Video Output(BNC)	NA
Web Browser	IE10/11, Safari V12.1 above, Firefox V.52 above, Google chrome V.57 above, Edge V.79 above
GENERAL	
Menu language	English, Russian, German, Italian, French, Portuguese, Spanish, Turkish, Japanese
Power	12VDC ± 20%, PoE (802.3af)
Power Consumption	12VDC: 7.18W/PoE: 9.04W
Working Temperature/Humidity	Temperature: -31 °F to 140 °F (-35 °C to 60 °C) , Humidity: 90% or less
Protection level	IP67
Dimensions	5.31 x 4.50in (134.9 x 114.4mm)
Weight	Approx. 1.80lb (0.82kg)
Environment	RoHS2.0