

# AVC-NTB51M32 AI

NDA  
COMPLIANT | CE | FC

5MP THERMAL BULLET NETWORK CAMERA

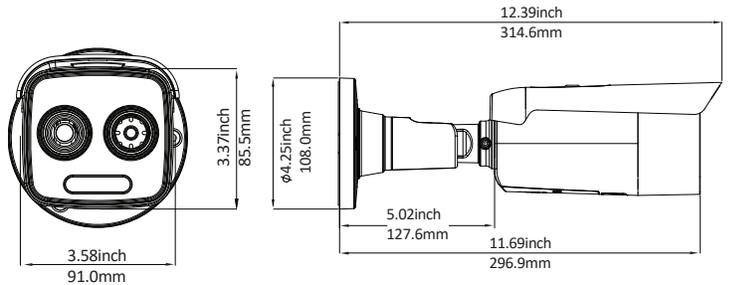


## OVERVIEW

- 5MP (2592x1944) H.265+, H.265, H.264+, H.264, MJPEG
- Max. resolution: 2592x1944
- Optical : 3.6mm Fixed Lens (F1.6)
- Thermal : 3.2mm Fixed Lens (F1.1)
- 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)



## 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

## SPECIFICATIONS

THERMAL MODULE	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max Resolution	256x192
Pixel Interval	12µm
Response Waveband	8-14µm
NETD (Noise Equivalent Temperature Difference)	≤40mk@25°C F# 1.0, 25Hz
Lens (Focal Length)	3.2mm
IFOV	3.75 mrad
Field of View	56° x 42°
Min. Focusing Distance	0.98ft (0.3m)
Aperture	F 1.1
DRI Distance Human	Detection: 486ft(148m), Recognition: 118ft(36m), Identification: 69ft(21m)
DRI Distance Vehicle	Detection: 1427ft(435m), Recognition: 358ft(109m), Identification: 177ft(54m)
VCA Range for Humans	79ft(24m)
VCA Range for Vehicles	263ft(80m)
Heat Detection Distance	82ft(25m)
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)	3.6mm
Field of View	Horizontal: 81°, Vertical: 57°, Diagonal: 108°
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 98ft (30m) / Warm light: 49ft (15m)
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 x 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: 7.44W/PoE: 10.9W
Working Temperature/Humidity	Temperature: -31 °F to 140 °F (-35 °C to 60 °C) , Humidity: 90% or less
Protection level	IP67
Dimensions	4.25 x 12.39in (108 x 314.6mm)
Weight	Approx. 2.76lb (1.25kg)
Environment	RoHS2.0