



## AVC-BNN81AVT/V2 AI

NDAA COMPLIANT | CE | FCC

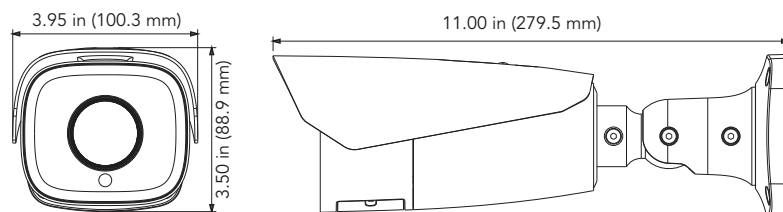
8MP H.265 NETWORK IR WATER-PROOF BULLET CAMERA

### OVERVIEW

- 8MP (3840 x 2160) @30fps
- Max. Resolution: 3840 x 2160
- Supports Smart H.265/H.264 Encoding
- True Day & Night ICR
- Up to 230 ft. of IR Illumination
- Motorized zoom 2.8~12mm Lens
- 3D DNR, True WDR, HLC, BLC and ROI Encoding
- Supports Triple Streams
- Supports Audio and Alarm Input/Output
- Supports CVBS Output
- Optional P2P Function
- Built-in micro SD card slot with video and still image capture function (up to 256GB)
- Intelligent Analytics
- Supports Remote Access with Windows, macOS, iOS and Android
- IP67 Ingress Protection
- Operating Temperature: -22°F - 140°F(-30° - 60° C)
- DC12V / PoE (802.3af)
- NDAA Compliant

### DIMENSIONS

Unit : inch(mm)



### OPTIONAL ACCESSORIES



AVM-EDMTS-W-TL1



AVM-P-CMT



AVM-P-PMT

## SPECIFICATIONS

CAMERA																
Image Sensor	1 / 2.8" Progressive Scan CMOS															
Image Size	3840 x 2160															
Shutter Speed	1/3s to 1/100,000s															
Iris Type	Fixed Iris															
Min. Illumination	Color: 0.015 lux @ F1.4(AGC ON); BW: 0 lux with IR															
IR Distance	Up to 229ft															
Lens	Motorized 2.8~12mm @ F1.4 Horizontal FoV: 97° ~ 32° Vertical FoV: 57° ~ 18° Diagonal FoV: 115° ~ 36°															
Lens Mount	Ø14															
Day & Night	ICR															
Wide Dynamic Range	120dB															
Digital NR	3D DNR															
Backlight Compensation (BLC)	Yes															
Highlight Compensation (HLC)	Yes															
Defog	Yes															
S/N Ratio	≥50dB															
EIS	Yes															
Angle Adjustment	Pan: 0°~360° ; Tilt: 0°~90° ; Rotation:0°~360°															
VIDEO STREAM																
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub/third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG															
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile															
Resolution	8MP ( 3840 × 2160 ), 6MP ( 3072 × 2048 ), 5MP ( 2592 × 1944 ), 4MP ( 2592 × 1520 ), 2K ( 2560 × 1440 ), 3MP ( 2304 × 1296 ), 1080P ( 1920 × 1080 ), 720P ( 1280 × 720 ), D1, CIF, 480 × 240, VGA ( 640 × 480 )															
Main Stream	60Hz: 8MP/6MP/5MP/4MP/2K/3MP/1080P/720P (1~30fps); 50Hz: 8MP/6MP/5MP/4MP/2K/3MP/1080P/720P (1~25fps); HFR mode: 1080P/720P (60Hz: 1~60fps / 50Hz: 1~50fps)															
Sub Stream	60Hz: 720P/D1/CIF/VGA/480x240 (1~30fps); 50Hz: 720P/D1/CIF/VGA/480x240 (1~25fps)															
Third Stream	60Hz: 720P/D1/480x240/CIF (1~30fps); 50Hz: 720P/D1/480x240/CIF (1~25fps)															
Video Bit Rate	64 Kbps ~ 12 Mbps (CBR / VBR Adjustable)															
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browse															
ROI	Each ROI to be configured separately															
NETWORK / INTERFACE																
Network	1 x RJ45 10M / 100M Self-Adaptive Ethernet port															
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPs, QoS															
Interface Protocol	ONVIF (Profile S, G, T, M)															
Web Browser	IE 11 (Plug-in required) / Google Chrome 89.0+ / Edge 89.0+ / Firefox 87.0+ / Safari 14.0+															
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission															
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP															
Storage	Micro SD/SDHC/SDXC Slot (up to 256GB) with video and still image capture function															
Video Output	CVBS output (BNC x1)															
Audio	1CH audio input; 1CH audio output															
Audio Compression	G711A / U															
Alarm	1CH alarm input; 1CH alarm output															
Hardware Reset	Yes															
DORI DISTANCE																
	<table border="1"> <thead> <tr> <th>Lens</th> <th>Detect</th> <th>Observe</th> <th>Recognize</th> <th>Identify</th> </tr> </thead> <tbody> <tr> <td>2.8 ~ 12mm (W)</td> <td>262ft (80m)</td> <td>105ft (32m)</td> <td>52ft (16m)</td> <td>26ft (8m)</td> </tr> <tr> <td>2.8 ~ 12mm (T)</td> <td>896ft (273m)</td> <td>358ft (109m)</td> <td>180ft (55m)</td> <td>89ft (27m)</td> </tr> </tbody> </table>	Lens	Detect	Observe	Recognize	Identify	2.8 ~ 12mm (W)	262ft (80m)	105ft (32m)	52ft (16m)	26ft (8m)	2.8 ~ 12mm (T)	896ft (273m)	358ft (109m)	180ft (55m)	89ft (27m)
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FUNCTIONS																
Remote Monitoring	Web Browser Interface, Mobile App, AVYCON CVMS 2.0															
Smart Alarm	Motion detection; sensor alarm, SD card error; SD card full, IP address conflict, cable disconnection															
Smart Analytics	Line crossing, region intrusion/entrance/exiting, loitering detection, illegal parking detection, abandoned/missing object detection, Target counting by line/intrusion area/heat map, exception detection, face detection and face capture															
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature															
General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern															
GENERAL																
Power Supply	DC12V / PoE (IEEE 802.3af)															
Power Consumption	<12W															
Operating Environment	-22°F ~ 140°F (-30°C ~ 60°C) Humidity: less than 95% (non-condensing)															
Storage Environment	-22°F ~ 149°F (-30°C ~ 65°C) Humidity: less than 95% (non-condensing)															
Dimensions (in)	10.96 x 3.94 x 3.49															
Weight (lb)	Approx. 2.29 lbs															
Ingress Protection	IP67															
Certificate	CE, FCC															
Installation	Ceiling mounting; Wall mounting															
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC and REACH (EC1907/2006)															