



## AVC-VNN81FLT/2.8 AI

NDA  
COMPLIANT | CE | FCC

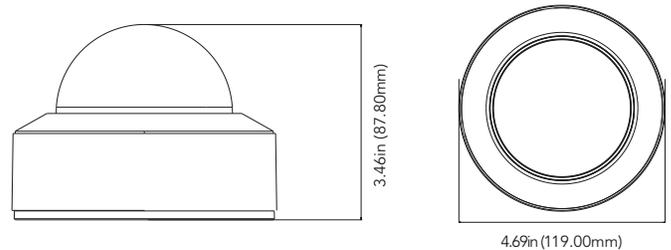
8MP H.265 HD AI DOME NETWORK CAMERA TURRET  
IP INDOOR DOME OUTDOOR DOME

### OVERVIEW

- 8MP (3840 X 2160) @ 20fps
- Max. Resolution: 3840 × 2160
- Supports Smart H.265/H.264 Encoding
- True Day & Night ICR
- 1CH audio input; 1CH built-in MIC
- 1CH alarm input; 1CH alarm output
- 3D DNR, DWDR, HLC, BLC and ROI Encoding
- Supports Triple Streams
- Supports Remote Access with Windows, macOS, iOS and Android
- IP67 & IK10 Ingress Protection
- Built-in micro SD card slot with video and still image capture function (up to 256GB)
- DC12V / PoE (802.3af, < 9W)
- P2P Function Optional
- Intelligent Analytics

### DIMENSIONS

Unit : inch(mm)



### OPTIONAL ACCESSORIES



AVM-DDMTS-W-TL1  
JUNCTION BOX



AVM-DPMT-W-TL1  
CEILING MOUNT BRACKET



AVM-DRMTS-TL1  
CEILING MOUNT



AVM-EWMTS-W-TL1  
WALL MOUNT

## 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: 0.02 lux @ F1.6(AGC ON); BW: 0 lux with IR				
IR Distance	Up to 98ft				
Lens	Fixed 2.8mm @ F1.6 Horizontal FoV: 104° Vertical FoV: 55° Diagonal FoV: 125°Ø14				
Lens Mount	Fixed				
Day & Night	M12				
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°~355° ; Tilt: 0°~70° ; Rotation:0°~180°				
VIDEO IMAGE					
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 browser				
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 (v5.x firmware and above), RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPs, QoS				
Interface Protocol	ONVIF (Profile S, G, T, M)				
Web Browser	IE11 (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	No				
Audio	1CH audio input; 1CH build-in MIC				
Audio Compression	G711A / U				
Alarm	1CH alarm input; 1CH alarm output				
Hardware Reset	Yes				
DORI DISTANCE					
	Lens	Detect	Observe	Recognize	Identify
	2.8mm	272ft (83m)	108ft (33m)	56ft (17m)	26ft (8m)
FUNCTION					
Remote Monitoring	Web Browser Interface, Mobile App, AVYCON CVMS 2.0				
Smart Alarm	Motion detection, sensor detection, SD card error, SD card full, IP address conflict, cable disconnection				
Smart Analytics	Line crossing, region intrusion/entrance/exiting detection, illegal parking detection, abandoned/missing object detection, Target counting human/motor vehicle/non-motor vehicle by Line crossing, 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 (IEEE802.3af)				
Power Consumption	<9W				
Operating Environment	-30°C ~ 60°C (-22°F ~ 140°F) Humidity: less than 95% (non-condensing)				
Storage Environment	-30°C ~ 65°C (-22°F ~ 149°F) Humidity: less than 95% (non-condensing)				
Dimensions (in)	Ø 4.68 × 3.45				
Weight (lb)	Approx. 1.41 lbs				
Ingress Protection	IP 67 & IK 10				
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)				