

# AVC-VHN81AVLT/V2

## 8MP H.265 IR WATER-PROOF DOME NETWORK CAMERA



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8MP H.265 IR WATER-PROOF DOME NETWORK CAMERA WITH SMART FEATURES

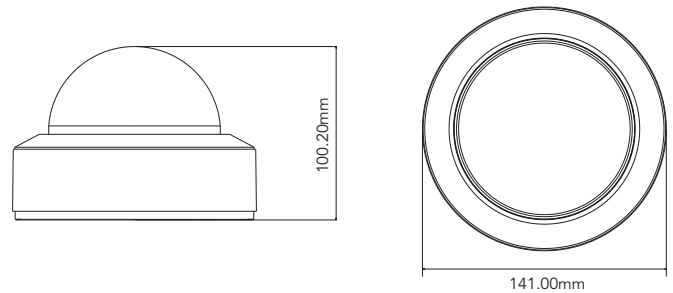
The AVYCON AVC-VHN81AVLT/V2 camera is a 8MP H.265 HD AI Dome Network Camera with Smart Analytic Features. This 8MP IP camera supports True Day/Night mode, PoE, and Smart IR Illumination of up to 164ft. This camera includes a Motorized zoom 2.8~12mm Lens with Auto-Focus capabilities that can be controlled through an NVR. Also supports 3D Digital NR, ROI, HLC, True WDR, and BLC capabilities along with IP67 outdoor rating. Optional accessories for this camera include a Junction Box Mount, Wall Mount, Corner Mount Bracket, and a Pole Mount Bracket.

## FUNCTIONS

- H.265+ / H.265 / H.264+ / H.264 / MJPEG coding
- Max. Resolution: 8MP (3840 x 2160)
- ICR auto switch, True Day/Night vision
- IR Illumination up to 164ft
- 3D DNR, True WDR, HLC,BLC, Defog, Smart IR and ROI encoding
- Support electronic image stabilization
- Motorized zoom lens
- 1CH Audio Input; 1CH Audio Output; 1CH built-in MIC
- 1CH Alarm Input; 1CH Alarm Output; 1CH CVBS Video Output
- Built-in micro Sd card slot, up to 256GB
- IP67 & IK10
- DC12V / PoE power supply
- Support Three Streams
- Support remote monitoring by smart phones & tablet PCs with iOS and Android OS
- Intelligent Analytics
- NDAA Compliant

## DIMENSIONS

Unit : inch (mm)



## OPTIONAL ACCESSORIES



AVM-MDMT-W-TL1  
JUNCTION BOX



AVM-MWMT-W-TL1  
WALL MOUNT



AVM-P-CMT  
CORNER MOUNT BRACKET



AVM-P-PMT  
POLE MOUNT BRACKET



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### 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 164ft				
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°~345° ; Tilt: 0°~77° ; Rotation:0°~345°				
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/VGA/480x240/CIF (1~30fps); 50Hz: 720P/D1/VGA/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, 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				
Storage	Network remote storage; micro SD card storage (256GB)				
Video Output	CVBS output (BNC x 1)				
Audio	1CH audio input; 1CH audio output; 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
	2.8 ~ 12mm (W)	262ft (80m)	105ft (32m)	52ft (16m)	26ft (8m)
	2.8 ~ 12mm (T)	896ft (273m)	358ft (109m)	180ft (55m)	89ft (27m)
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 (human/motor vehicle/non-motor vehicle classification), 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, IP address filtering, video mask, heartbeat, password protection, image distortion correction, corridor pattern				
GENERAL					
Power Supply	DC12V / PoE (IEEE802.3af)				
Power Consumption	<8W				
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 5.92 x 4.49				
Weight (lb)	Approx. 2.50 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)				



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