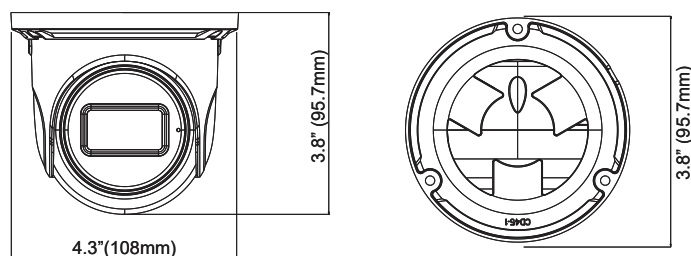# AVC-ENN81FT/2.8 AI

NDAA COMPLIANT | CE | FC

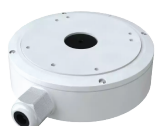8MP H.265 HD AI TURRET NETWORK CAMERA

OVERVIEW

- 8MP (3840 X 2160) @ 20fps
- Max. Resolution: 3840 × 2160
- Supports Smart H.265/H.264 Encoding
- True Day & Night ICR
- Up to 98 ft. IR Illumination
- Fixed 2.8mm Lens
- 3D DNR, DWDR, HLC, BLC and ROI Encoding
- Supports Triple Streams
- 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, ≤9W)
- P2P Function Optional
- Intelligent Analytics

DIMENSIONS

Unit : inch(mm)

3.8" (95.7mm)

4.3"(108mm)

3.8" (95.7mm)

OPTIONAL ACCESSORIES

AVM-EDMTS-W-TL1

AVM-EWMTS-W-TL1

SPECIFICATIONS

CAMERA	
Image Sensor	1/3" Progressive Scan CMOS
Image Size	3840×2160
Shutter Speed	1/3s to 1/100,000s
Min. Illumination	Color: 0.02 lux @ F1.6(AGC ON); BW: 0 lux with IR
IR Distance	Up to 98ft
Lens	Fixed 2.8 mm @ F1.6 Horizontal FoV: 104° Vertical FoV: 55° Diagonal FoV: 125°
Focus	Fixed
Lens Mount	M12
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
Angle Adjustment	Pan: 0°~360° ; Tilt: 0°~75° ; Rotation:0°~360

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 clie web browser nt software or
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
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	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Online Connection	Micro SD/SDHC/SDXC Slot (up to 256GB) with video and still image capture function
Video Output	No
Audio	1CH Audio Input; 1CH Built-in MIC
Audio Compression	G711A / U
Alarm	No
Hardware Reset	Yes

DORI DISTANCE					
	Lens	Detect	Observe	Recognize	Identify
	2.8mm	272ft (83m)	108ft (33m)	56ft (17m)	26ft (8m)

FUNCTIONS	
Remote Monitoring	Web Browser Interface, Mobile App, AVYCON CVMS 2.0
Smart Alarm	Motion detection, SD card error, SD card full, IP address conflict, cable disconnection
Smart Analytics	Line crossing, region intrusion/entrance/exiting detection, 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	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission

GENERAL	
Power Supply	DC12V / PoE (IEEE802.3af)
Power Consumption	<9W
Operating Environment	-30℃ ~ 60℃ (-22°F ~ 140°F) Humidity: less than 95% (non-condensing)
Storage Environment	-30℃ ~ 65℃ (-22°F ~ 149°F) Humidity: less than 95% (non-condensing)
Dimensions (in)	Ø 3.72 × 3.25
Weight (lb)	Approx. 1.01 lbs
Ingress Protection	IP 67
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)