AVYCON®

AVC-ELN81FT/2.8-G AI

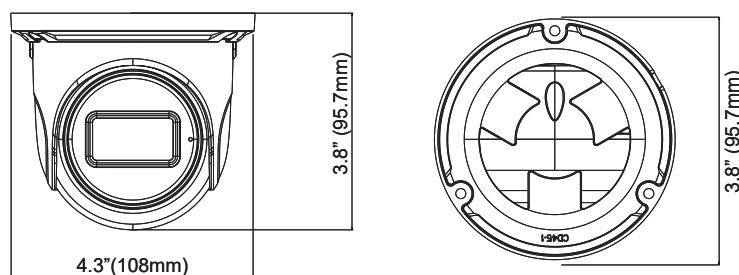NDAA COMPLIANT | CE | FC

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

OVERVIEW

· H.265 /H.264/MJPEG coding
· Max resolution: 8MP (3840 x 2160)
· ICR Auto Switch, True day / Night Vision
· 3D DNR, WDR, HLC, BLC, Smart IR, etc.
· Up to 100ft IR Night View Distance
· Built-in micro SD card slot with video and still image capture function (up to 256GB)
· 1CH built-in MIC; 1CH audio input
· DC12V/PoE power supply
· IP 67 ingress protection
· Support three streams
· Support remote monitoring by smart phones & tablet PCs with iOS and Android OS
· Intelligent analytics
· NDAA Compliant

DIMENSIONS

Unit : inch(mm)

3.8" (95.7mm)

4.3"(108mm)

3.8" (95.7mm)

OPTIONAL ACCESSORIES

AVM-EDMTS-G-TL1   AVM-EWMTS-G-TL1

AVYCON   www.avycon.com

SPECIFICATIONS

CAMERA	
Image Sensor	1/3" Progressive Scan CMOS
Image Size	3840 x 2160
Electronic Shutter	1/2s to 1/100,000s
Iris Type	Fixed Iris
Min. Illumination	Color: 0.005 lux @ F1.6(AGC ON); BW: 0 lux with IR
IR Distance	Up to 98ft
Lens	Fixed 2.8 @ F1.6 Horizontal FoV: 94° Vertical FoV: 50° Diagonal FoV: 115°
Focus	Fixed
Lens Mount	M12
Days & Night	ICR
Wide Dynamic Range	120 dB
Digital NR	Yes
Backlight Compensation (BLC)	Yes
Highlight Compensation (HLC)	Yes
Angle Adjustment	Pan: 0°~360°; Tilt:0°~90°;Rotation: 0°~360°

VIDEO IMAGE	
Video Compression	Main stream: H.265 / H.264 Sub/third stream: H.265 / H.264 / MJPEG
H.265 Compression Standard	Main Profile@Leve4.1 High Tier
Resolution	8MP (3840×2160), 6MP (3072×2048), 5MP (2592×1944), 4MP (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, 480 × 240, CIF
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-Adaption
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPs, QoS
Interface Protocol	ONVIF
Web Browser	IE (Plug-in required) / Google Chrome / Edge / Firefox / Safari
Online Connection	Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission
Storage	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
Alarm	N/A
Hardware Reset	YES

DORI DISTANCE					
Lens	Detect	Observe	Recognize	Identify	
2.8mm	202.62ft(61.76m)	81.03ft(24.70m)	40.51ft(12.35m)	20.27ft(6.18m)	

FUNCTIONS	
Remote Monitoring	Web Browser Interface, Mobile App, AVYCON CVMS 2.0
Smart Alarm	Motion detection, SD card full, SD card error
Smart Analytics	Video Exception (scene change, video blurr and video cast detection), line crossing detection and region intrusion detection
General Function	Watermark, IP address filtering, video mask, heartbeat, illigal login lock, corridor pattern

GENERAL	
Power Supply	DC12V/PoE
Power Consumption	< 5W
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 3.76 × 4.25
Weight (lb)	Approx. 1.01 lbs
Ingress Protection	IP 67
Certificate	CE, FCC
Installation	Ceiling mounting (Wall mounting available with the junction box and bracket)
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006) 95.7