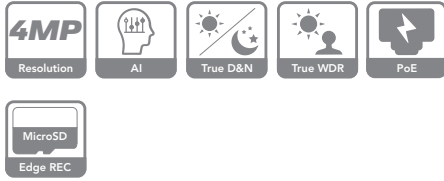# AVC-ENN41AVT
4MP H.265 NETWORK IR EYEBALL CAMERA

NDAA COMPLIANT

4MP H.265 NETWORK IR EYEBALL CAMERA

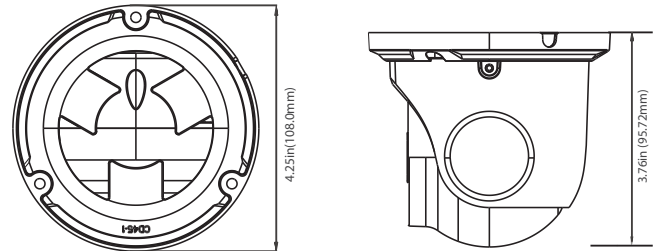*4MP H.265 NETWORK IR EYEBALL CAMERA*

The AVYCON AVC-ENN41AVT is our 4MP Network IR Eyeball Camera with a 2.8mm varifocal lens and featuring our newest generation of video analytics. This camera supports True Day/Night mode, True WDR capabilities and also includes a microSD memory card slot for standalone recording applications. The AVC-ENN41AVT can be powered by both PoE(802.3af) and DC12V and also includes a hardware reset button. Integrated Video Analytics include Abandoned/Missing Objects, Line Crossing, Heat Map, Vehicle/People Counting and Facial Detection.

4MP Resolution	AI	True D&N	True WDR	PoE

MicroSD Edge REC

FUNCTIONS

- H.265+ / H.265 / H.264+ / H.264 / MJPEG coding
- Max. Resolution: 4MP (2560 x 1440)
- 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 motorized zoom lens
- Support image distortion correction
- Built-in micro Sd card slot, up to 256GB
- DC12V / PoE power supply
- IP67 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)

4.25in(108.0mm)

3.76in (95.72mm)

OPTIONAL ACCESSORIES

AVM-EDMT-W-TL1

JUNCTION BOX

AVM-EWMT-W-TL1

WALL MOUNT

AVYCON®

AVC-ENN41AVT
4MP H.265 NETWORK IR EYEBALL CAMERA

SPECIFICATIONS

CAMERA	
Image Sensor	1/3" Progressive Scan CMOS
Image Size	2560 x 1440
Shutter Speed	1/2s to 1/100,000s
Iris Type	DC Iris
Min. Illumination	Color: 0.005 lux @ F1.6(AGC ON); BW: 0 lux with IR
IR Distance	Up to 164ft
Lens	Fixed 2.8 - 12 mm @ F1.3 Horizontal FoV: 100.0° ~ 28.9° Vertical FoV: 54.5° ~ 16.7° Diagonal FoV: 104.8° ~ 33.1°
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
Angle Adjustment	Pan: 0°~360° ; Tilt: 0°~80° ; 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	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: 4MP/2K/3MP/1080P/720P (1~30fps); 50Hz: 4MP/2K/3MP/1080P/720P (1~25fps)
Sub Stream	60Hz: 720P/D1/CIF/VGA (1~30fps); 50Hz: 720P/D1/CIF/VGA (1~25fps)
Third Stream	60Hz: D1/480x240/CIF (1~30fps); 50Hz: D1/480x240/CIF (1~25fps)
Video Bit Rate	64 Kbps ~ 8 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
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	Network remote storage; micro SD card storage (256GB)
Video Output	No
Audio	1CH audio input; 1CH built-in MIC
Audio Compression	G711A / U
Alarm	N/A
Hardware Reset	Yes

DORI DISTANCE					
Lens	Detect	Observe	Recognize	Identify	
2.8 ~ 12mm (W)	193.27ft (58.91m)	77.29ft (23.56m)	38.64ft (11.78m)	19.32ft (5.89m)	
2.8 ~ 12mm (T)	675.82ft (205.99m)	270.34ft (82.40m)	135.17ft (41.20m)	67.58ft (20.60m)	

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, 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 (IEEE802.3af)
Power Consumption	<9.5W
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)	Ø 4.25 ×3.76
Weight (lb)	Approx. 1.43 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)

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