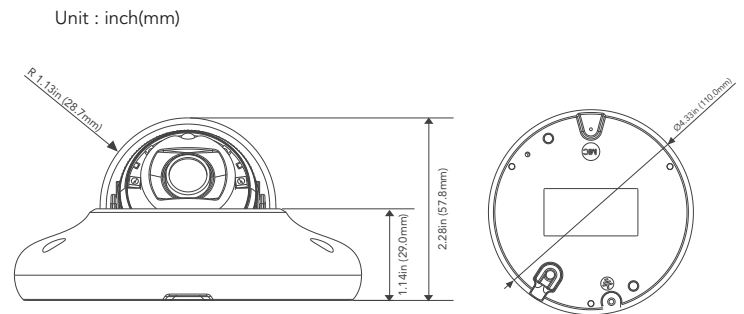# AVC-KNN41FT/2.8 AI

NDAA COMPLIANT | CE | FC

4MP H.265 NETWORK IR DOME CAMERA

OVERVIEW

- H.265 Main Profile Video Compression
- Maximum Resolution: 2592 x 1520
- 4MP (2592 x 1520) Full Real Time Coding
- Smart IR Illumination Up to 33ft.
- True Day/Night ICR Auto Switch
- 3D DNR, True WDR, HLC & BLC
- Supports Defog
- Supports ROI Encoding
- Smart Alarm with Motion Features
- Supports Local CVBS Video Output / Analog Video Output
- Built-in micro SD card slot with video and still image capture function (up to 256GB)
- Supports Triple Streams
- P2P Remote Connection Function
- Supports Monitoring by Smart Phones, iPad, and Remote Monitoring
- DC12V (±10%) / PoE (802.3af) <3.5W (IR ON)
- NDAA Compliant
- UL-listed

DIMENSIONS

Unit : inch(mm)

R 1.13in (28.7mm)
2.28in (57.8mm)
1.14in (29.0mm)
Ø4.33in (110.0mm)

OPTIONAL ACCESSORIES

AVM-EWMTS-W-TL1
WALL MOUNT

SPECIFICATIONS

CAMERA	
Image Sensor	1/3" Progressive Scan CMOS
Image Size	2592 x 1520
Shutter Speed	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 65ft
Lens	Fixed 2.8mm @ F1.6 Horizontal FoV: 95.3° Vertical FoV: 53.2° Diagonal FoV: 100.7°
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°~70° ; Rotation:0°~350°

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); HFT mode: 1080P/720P (60Hz : 1~30fps; 50Hz: 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)
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	No
Hardware Reset	Yes

DORI DISTANCE				
Lens	Detect	Observe	Recognize	Identify
2.8mm	199.11ft (60.69m)	97.65ft (24.28m)	39.82ft (12.14m)	19.91ft (6.07m)

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 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	D12V/POE(IEEE802.3af)
Power Consumption	<6W
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 4.33 × 2.35
Weight (lb)	Approx. 0.83 lbs
Ingress Protection	IP66
Certificate	CE, FCC, UL
Installation	Ceiling mounting; Wall mounting
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)
Color / Material	White / Plastic