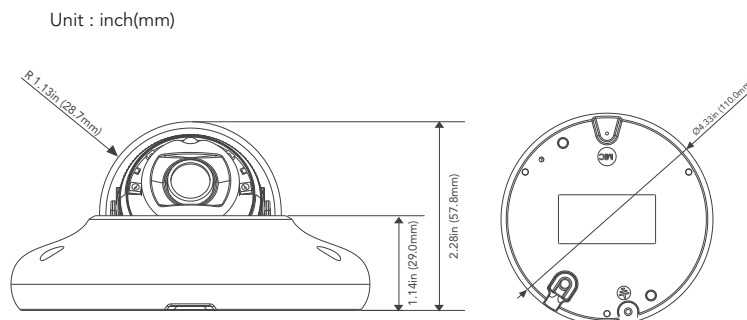# AVC-KHN41FT/2.8 AI

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)

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: 0.045 lux @ F1.8(AGC ON); BW: 0 lux with IR
IR Distance	Up to 33ft
Lens	Fixed 2.8mm @ F1.8 Horizontal FoV: 103°
Lens Mount	M12
Day & Night	ICR
Wide Dynamic Range	120dB
Digital NR	3D DNR
Backlight Compensation (BLC)	Yes
Highlight Compensation (HLC)	Yes
Defog	Yes
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
Main Stream	60Hz: 4MP/2K/3MP/1080P/720P (1~30fps); 50Hz: 4MP/2K/3MP/1080P/720P (1~25fps);
Sub Stream	60Hz: 720P/D1/CIF (1~30fps); 50Hz: 720P/D1/CIF (1~25fps)
Third Stream	60Hz: D1/480x240/CIF (1~30fps); 50Hz: D1/480x240/CIF (1~25fps)
High Frame Rate Mode	60Hz: D1/480x240/CIF (1~30fps); 50Hz: D1/480x240/CIF (1~25fps)
Video Bit Rate	128 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, GB-T/28181-2011
Online Connection	Support simultaneous monitoring for up to 6 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	CVBS output (BNC x 1)
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	N/A	N/A	N/A	N/A	

FUNCTIONS	
Remote Monitoring	Web Browser Interface, Mobile App, AVYCON CVMS 2.0
Smart Alarm	Motion detection; SD card error; SD card full
Smart Analytics	Object removal detection, regional intrusion detection, abnormal video detection, line crossing detection, people intrusion, people counting and crowd density detection (optional)
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection

GENERAL	
Power Supply	D12V/POE(IEEE802.3af)
Power Consumption	<4.5W
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 4.33 × 2.35
Weight (lb)	Approx. 0.77 lbs
Ingress Protection	IP66
Certificate	N/A
Installation	Ceiling mounting; Wall mounting
Environmental Protection	N/A
Color / Material	White / Plastic