

AMX-3IV341TM-IRAS/28

4MP IR Fixed-Focal Turret Network Camera



With advanced deep learning algorithm, this ENS Diamond Series HNCB3IV341TM-IRAS/28 is a network camera supports intelligent functions, such as perimeter protection and smart motion detection. With starlight technology, this series camera provides a better image effect in the condition of low illuminance.



MODEL(S) AVAILABLE

KEY FEATURES

- ▶ 4MP 1/3" CMOS image sensor, low illuminance, and high definition image.
- ▶ Outputs max. 4MP (2688 × 1520) @ 20 fps, and supports 2560 × 1440 @ 25/30 fps
- ▶ H.265 codec, high compression rate, ultra-low bit rate
- ▶ Built-in IR LED, and the max. illumination distance is 30 m
- ▶ ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- ▶ Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
- ▶ Supports max. 256 GB Micro SD card; built in MIC
- ▶ 12 V DC/PoE power supply
- ▶ IP67 protection
- ▶ Smart Motion Detection Plus (SMD+)

Product Specifications

Camera	
Image Sensor	1/1.3" 4MP Progressive CMOS
Image Resolution	2688 (H) × 1520 (V)
ROM	128 MB
RAM	128 MB
Electronic Shutter	Auto/Manual 1/3 s ~ 1/100,000 s
Minimum Illumination	0.008 Lux @ F1.6 (Color, 30 IRE) 0.0008 Lux @ F1.6 (B/W, 30 IRE) 0 Lux (IR on)
S/N Ratio	> 56 dB
IR LEDs	1
IR Distance	98 ft (30 m)
Lens Type	Fixed-focal
Focal Length	2.8 mm
Angle of View	Horizontal: 95° Vertical: 52° Diagonal: 114°
Max. Aperture	F1.6
Close Focus Distance	2.95 ft (0.9 m)
Pan / Tilt / Rotation	Pan: 0°~360° / Tilt: 0°~78° / Rotation: 0°~360°

Video Standard	
Video Compression	H.265/H.264/H.264H/H.264B/MJPEG (Sub stream only)
Smart Codec	Smart H.265+ / Smart H.264+
Video Frame Rate	Main stream: 2688 × 1520 @ (1~20 fps) / 2566 × 1440 @ (1-25/30 fps) Sub stream: 704 × 576 @ (1~25fps) / 704 × 480 @ (1~30fps) <small>*The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.</small>
Streaming Capability	2 Streams
Video Resolution	4M (2688 × 1520); 3.6M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR, VBR
Video Bitrate	H264: 32 Kbps ~ 6144 Kbps H265: 12 Kbps ~ 6144 Kbps
Day / Night	Auto (ICR) / Color / B / W
BLC Mode	Yes
HLC Mode	Yes
Wide Dynamic Range	120 dB true WDR
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom
Gain Control	Auto / Manual
Digital Noise Reduction	3D DNR
Motion Detection	On / Off (4 areas, rectangular)
Region of Interest	4
Smart Illumination	Yes
Defog	N/A
Exposure Mode	N/A
Mirror	Yes
Privacy Masking	Yes

Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1560 resolution and lower)
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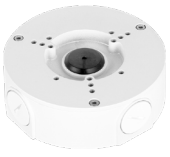
Network & Interface	
Ethernet	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Configuration encryption; Trusted execution; Digest; Security logs; WSSE; Account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Firmware encryption; Generation and importing of X.509 certification
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP
Network Interoperability	ONVIF (Profile S/Profile T); CGI; P2P; Milestone
Streaming Method	N/A
Network Max. Users	6 (Total bandwidth: 36 M)
Storage	FTP; SFTP; Micro SD Card Slot (support max. 256 GB)
Web Viewer	IE / Chrome / Firefox
Management Software	DSS / DMSS
Mobile	iOS / Android
BNC	N/A
Audio I/O	N/A
Alarm I/O	N/A
Audio Compression	G.711a; G.711Mu; PCM; G.726
RS485	N/A
Built-in MIC	Yes

Video Intelligent	
IVS (Perimeter Protection)	Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos

General	
Power Supply	12 V DC / PoE (802.3af)
Power Consumption	Basic: 2.5 W (12 V DC); 3.3 W (PoE); Max. (ICR + H.265 + max. resolution + main stream + IR intensity + WDR + IVS): 4.2 W (12 V DC); 5.1 W (PoE)
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F) / ≤ 95% RH
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Protection	IP67
Casing	Metal (Decoration ring: Plastic)
Dimensions	99.1 mm × ø 121.9 mm (3.90" × ø 4.80")
Net Weight	480 g (1.06 lb)
Gross Weight	680 g (1.5 lb)
Certifications	CE-LVD: EN 62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B

Product Specifications

Product Accessories



PFA130-E



PFB205W-E



PFA152-E



PFA109



PFB220-C

Product Dimensions (mm [inch])

