8MP LightHunter Dual-light Dome Network Camera

IPC3238SA-AHDZKY-WP-PI-LS-I3





Features

- High quality image with 8 MP, 1/1.8" CMOS sensor
- 3840 × 2160@60 fps in the main stream, offering smoother live video and more details
- Ultra 265, H.265, H.264, MJPEG
- Wise-ISP technology, comprehensive improvement in image quality
- Smart intrusion prevention, supports false alarm filtering, including cross line, intrusion, enter area, leave area detection
- Privacy Protection, the facial information in the RAW data will be automatically masked and encrypted in real time to protect personal privacy security.
- People counting, supports people flow counting and crowd density monitoring, suitable for different statistical scenarios
- Traffic monitoring, supports capturing license plate and collecting car information when the car passes tripwire
- Up to 140 dB optical WDR (wide dynamic range)
- Built-in heater, allows low temperature start-up at -40 ℃
- Alarm I/O: 3/2, audio I/O: 1/1
- Supports NEMA 4X. IK10 and IP67 protection
- DC 12V and PoE (IEEE 802.3af) power supply

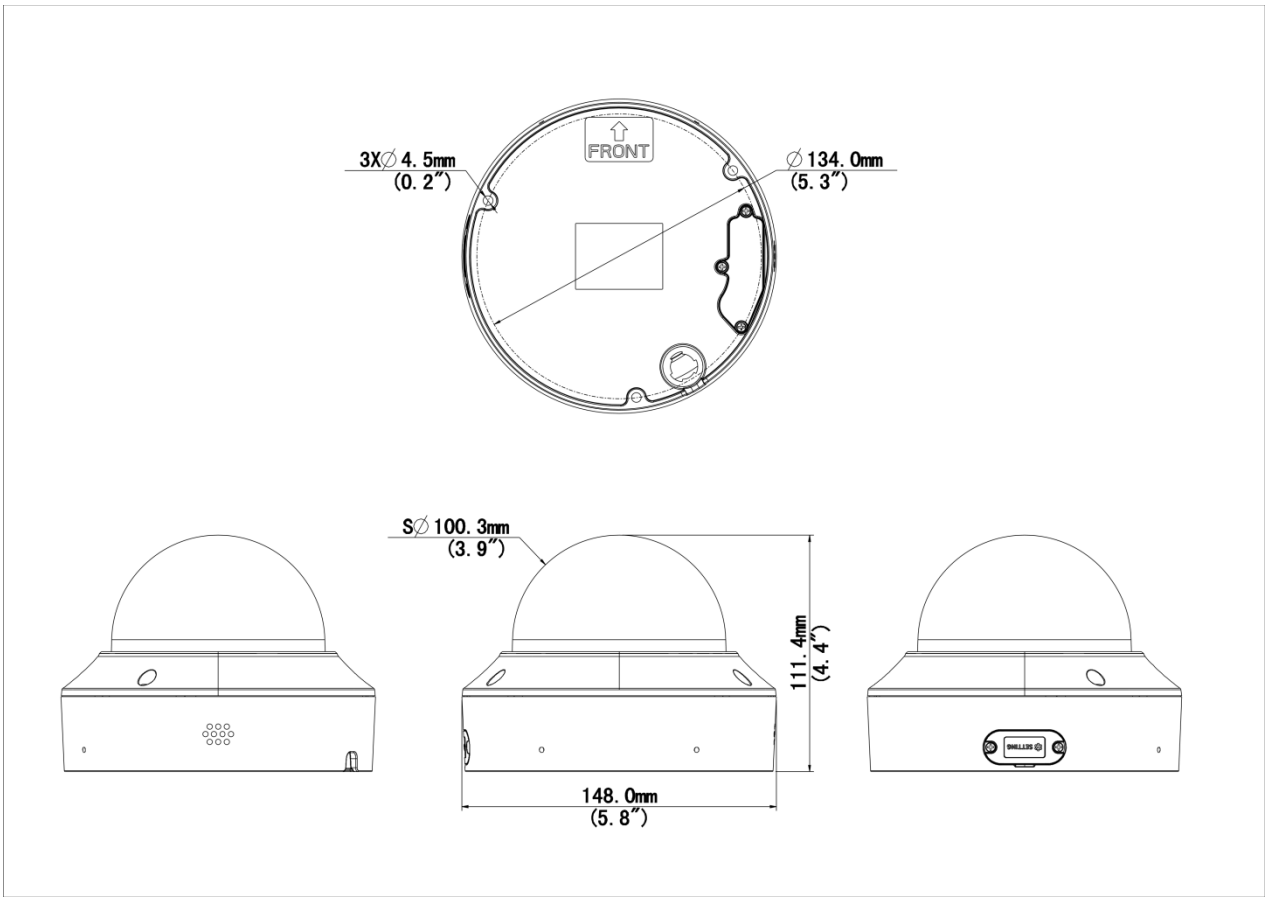
Specifications

Model	IPC3238SA-AHDZKY-WP-PI-LS-I3	IPC3238SA-AHDX4KY-WP-PI-LS-I3
Camera		
Max Resolution	8 MP	
Sensor	1/1.8" CMOS	
Min. Illumination	Color: 0.0005 Lux (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux (F1.6, AGC ON), 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)	
Shutter	Auto/Manual, 1 to 1/100000 s	
WDR	140 dB	
S/N	> 56 dB	
Adjustment Angle	Pan: 0° to 355°, Tilt: 0° to 70°, Rotate: 0° to 355°	
Lens		
Focal Length	2.7 to 13.5 mm	8 to 32 mm
Optical Zoom	5X	4X
Iris	F1.2	F1.6
Field of View (H)	106.16°(W)~49.46°(T)	42.34°(W)~16.28°(T)
Field of View (V)	52.1°(W)~26.72°(T)	24.52°(W)~9.47°(T)
Field of View (D)	109.61°(W)~54.79°(T)	47.9°(W)~18.8°(T)
DORI		
DORI Distance (Lens)	2.7 to 13.5 mm	8 to 32 mm
DORI Distance (Detect)	60.8 m to 303.8 m (199.3 ft. to 996.6 ft.)	180.0 m to 720.0 m (590.6 ft. to 2362.2 ft.)
DORI Distance (Observe)	24.3 m to 121.5 m (79.7 ft. to 398.6 ft.)	72.0 m to 288.0 m (236.2 ft. to 944.9 ft.)
DORI Distance (Recognize)	12.2 m to 60.8 m (39.9 ft. to 199.3 ft.)	36.0 m to 144.0 m (118.1 ft. to 472.4 ft.)
DORI Distance (Identify)	6.1 m to 30.4 m (19.9 ft. to 99.7 ft.)	18.0 m to 72.0 m (59.1 ft. to 236.2 ft.)
Illuminator		
Illumination Distance (IR)	40 m (131.2 ft.)	50 m (164.0 ft.)
Illumination Distance (Warm Light)	30 m (98.4 ft.)	
Wavelength	850 nm	
IR On/Off Control	Auto/Manual	
Supplemental Light	Dual light	
Video		
Frame Rate-Main Stream	8 MP (3840 × 2160), max. 60 fps	
Video Compression	Ultra 265, H.265, H.264, MJPEG	
Frame Rate-Sub Stream	1080P (1920 × 1080), max. 60 fps	
Video Bit Rate	128 Kbps to 16 Mbps	
U-code	Support	
Privacy Mask	Up to 8 areas (8 blacks/ 8 mosaics)	
ROI	Up to 8 areas	
Video Stream	Five streams	
OSD	Up to 8 OSDs	
Frame Rate-Third Stream	D1 (720 × 576), max. 60 fps	

Frame Rate Recommendation	3840 × 2160@60 fps + 1920 × 1080@30 fps + D1@30 fps 3840 × 2160@60 fps + 1920 × 1080@30 fps + 640 × 360@50 fps 3840 × 2160@60 fps + 1920 × 1080@25 fps + 640 × 360@60 fps 3840 × 2160@50 fps + 1920 × 1080@50 fps + D1@25 fps 3840 × 2160@50 fps + 1920 × 1080@50 fps + 640 × 360@50 fps 3072 × 2048@60 fps + 1920 × 1080@30 fps + D1@60 fps 3072 × 2048@50 fps + 1920 × 1080@50 fps + D1@50 fps 2880 × 1620@60 fps + 1920 × 1080@60 fps + D1@60 fps	
Image		
White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2, Area white balance	
Digital Noise Reduction	2D/3D DNR	
Flip	Normal, Flip vertical, Flip horizontal, 180°, 90° Clockwise, 90° Anti-clockwise	
EIS	Support	
BLC	Support	
Defog	Digital defog	
Intelligent		
People Counting	Support people flow counting and crowd density detection	
Exception Detection	Object removed|Object Left Behind|Scene change|Defocus detection	Object removed|Object Left Behind
Road Traffic	Support capturing car license picture and collect other car information when the car passes tripwire, Up to 4 lanes can be set, Two types of application mode available: High/Low pole	
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)	
Privacy Protection	Support	
Events		
Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection	
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output	
UMD (Ultra Motion Detection)	Support	
Audio		
Audio Compression	G.711U, G.711A, AAC-LC	
Sampling Rate	G.711U/G.711A: 8 kHz, AAC-LC: 8 kHz, 16 kHz, 48 kHz	
Storage		
Edge Storage	MicroSD, up to 512 GB	
Network Storage	ANR, NAS (NFS)	
Network		
Protocols	IGMP, SMTP, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, DNS, DDNS, NTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS, SSH, IPv4, RTP, RTCP, RTMP	
Compatible Integration	ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK	
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator	
Security	TLS 1.3, Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF	

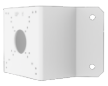
Client	UNV-Link, UNV-Link Pro, EZStation
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+
Interface	
Audio I/O	1 Input: impedance 1 kΩ, amplitude 2.5 V [p-p], 1 Output: impedance 600 Ω, amplitude 2.5 V [p-p]
Alarm I/O	3/2
Serial Port	1 × RS485
Built-in Mic	Built-in dual-mic
Built-in Speaker	Support
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
Certification	
EMC	CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130) FCC-SDoC (47 CFR Part15, Subpart B)
Safety	CE-LVD (EN IEC 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863) WEEE (2012/19/EU)
Protection	IP67 (IEC 60529) IK10 (IEC 62262) NEMA 4X
General	
Power	DC 12 V (±25%), PoE (IEEE 802.3af)
Power Consumption	11W
Power Interface	Ø5.5 mm coaxial power plug
Built-in DC12V Output	Support
Dimensions	Φ148mm*111.4mm
Weight	1.11KG
Working Environment	-40 ℃ to 60 ℃ (-40 ℉ to 140 ℉), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	6 KV
Reset Button	Support
Heater	Support
RTC	Support
Web Client Language	22 Languages: Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese, Arabic, Slovak

Dimensions



Accessories

TR-JB04-C-IN Dome Junction Box(Support Wiring From Behind)	**TR-JB07/WM04-B-IN-V2** Wall Mounting Assembling Bracket with Back Hole For 4 Inches Dome	**TR-WM04-IN-V2** 4 Inches Dome Wall Mounting Bracket
		
TR-FM152-A-IN In-Ceiling Bracket For Dome	**TR-SM04-IN** Dome Switch Box Adapter	**TR-A01-IN** NPT 3/4'' Waterproof Cable Gland
		

TR-UP06-C-IN-V2	TR-UC08-C-V2	
Pole Mounting Bracket For Bullet Junction Box Only	Bullet&Dome Corner Mounting Bracket	
		

Unlimited New View

Zhejiang Uniview Technologies Co., Ltd.

http://www.uniview.com

overseasbusiness@uniview.com; globalsupport@uniview.com

No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China

©2026 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

*Product specifications and availability are subject to change without notice.

Despite our best efforts, technical or typographical errors may exist in this document. Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.