8MP LightHunter Dual-light Dome Network Camera

IPC3238SA-AHDX4KY-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
- 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

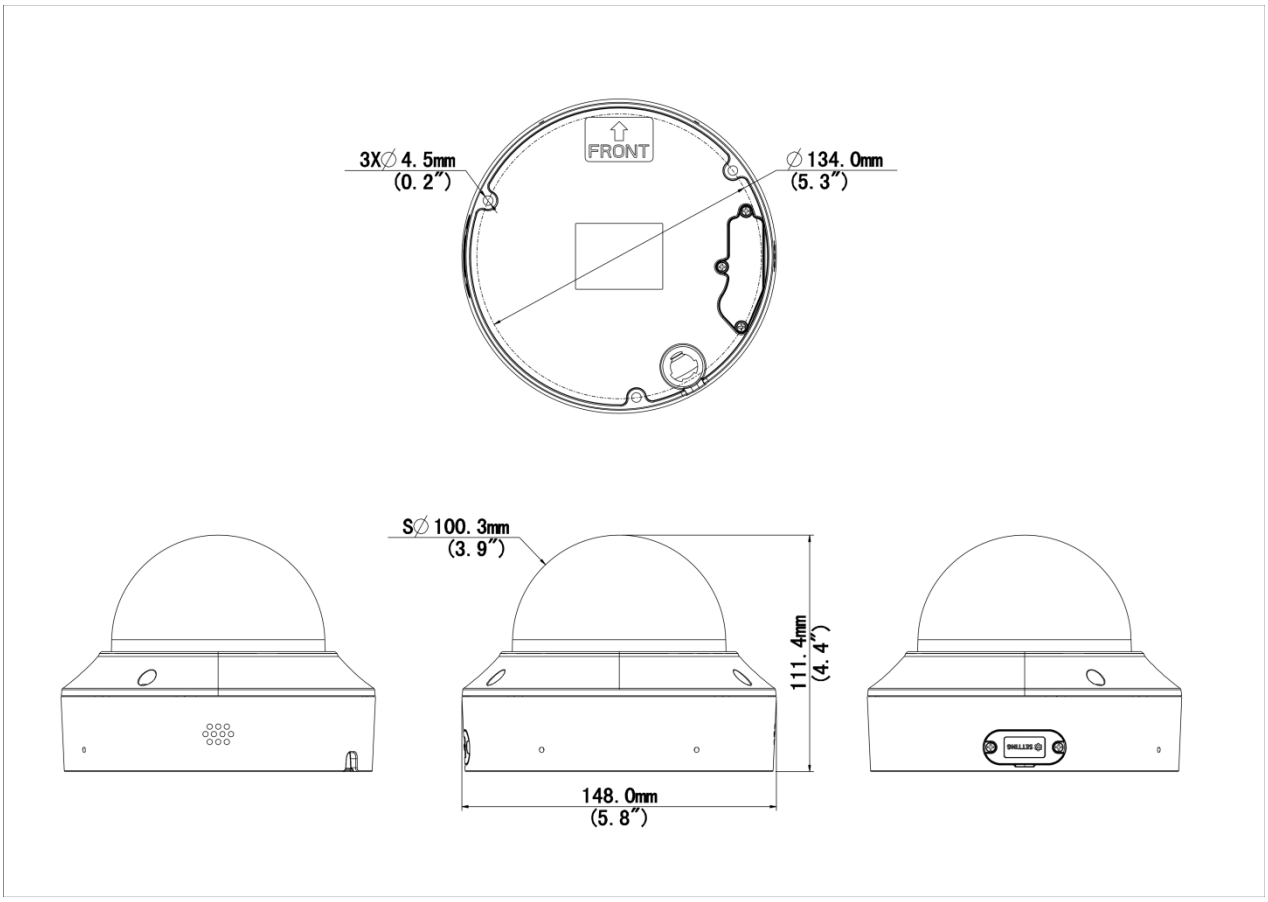
Model	IPC3238SA-AHDX4KY-WP-PI-LS-I3
Camera	
Max Resolution	8 MP
Sensor	1/1.8" CMOS
Min. Illumination	Color: 0.0005 Lux (F1.6, AGC ON), 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 to 1/100000 s
WDR	140 dB
S/N	> 56 dB
Adjustment Angle	Manual adjustment, Pan: 0° to 355°, Tilt: 0° to 70°, Rotate: 0° to 355°
Lens	
Focal Length	8 to 32 mm
Optical Zoom	4X
Iris	F1.6
Field of View (H)	TBD
Field of View (V)	TBD
Field of View (D)	TBD
DORI	
DORI Distance (Lens)	8 to 32 mm
DORI Distance (Detect)	TBD
DORI Distance (Observe)	TBD
DORI Distance (Recognize)	TBD
DORI Distance (Identify)	TBD
Illuminator	
Illumination Distance (IR)	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 10 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
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)
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
Live View	
3D Privacy Mask	Support
PTZ	
Preset Patrol	16 patrols, up to 64 presets for each patrol
Number of Presets	1024
Home Position	Support
Number of Presets (IPC)	1024
Number of Patrol	16
Preset Image Freeze	Support
Route Patrol	16 patrols, up to 32 actions for each patrol

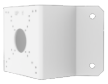
Recorded Patrol	16 patrols, up to 128 actions for each patrol
Patrol Stay Time	15 s to 1800 s
Patrol Recording	Support
3D Positioning	Support

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.