

## 2MP WDR LightHunter IR Network Dome Camera IPC3232SA-AHDZK-PI-I1



## Features

- High quality image with 1080P, 1/2.8" CMOS sensor
- 1920 × 1080@60 fps in the main stream, delivers detailed live while 60 fps keeping it smooth and closer to the real image
- Motorized lens with P-iris, supports accurate control of exposure
- Ultra 265, H.265, H.264, MJPEG
- 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
- LightHunter technology ensures ultra-high image quality in low-light environment
- Up to 130 dB optical WDR (wide dynamic range)
- DC 12 V, PoE (IEEE 802.3af) power supply
- Alarm I/O: 1/1, audio I/O: 1/1
- IP67, IK10

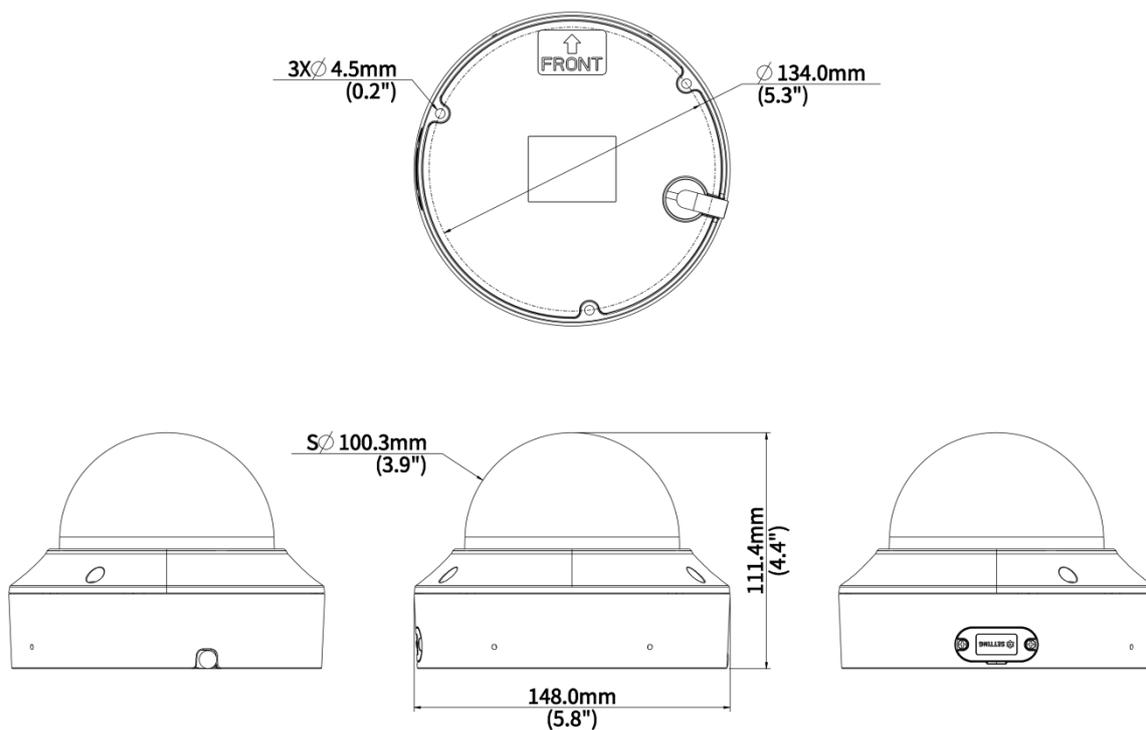
## Specifications

Model	IPC3232SA-AHDZK-PI-I1
<b>Camera</b>	
Max Resolution	2 MP
Sensor	1/2.8" CMOS
Min. Illumination	Color: 0.002 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	130 dB
Adjustment Angle	Pan: 0° to 355°, Tilt: 0° to 70°, Rotate: 0° to 355°
S/N	>52 dB
<b>Lens</b>	
Focal Length	2.7 to 13.5 mm
Optical Zoom	5X
Iris	F1.6
Field of View (H)	99.2° to 32.3°
Field of View (V)	53.6° to 18°
Field of View (D)	117.4° to 37.2°
Iris Type	P-iris
<b>DORI</b>	
DORI Distance (Lens)	2.7 to 13.5 mm
DORI Distance (Detect)	51.2 m to 158.3 m (168.0 ft. to 519.3 ft.)
DORI Distance (Observe)	20.5 m to 63.3 m (67.2 ft. to 207.7 ft.)
DORI Distance (Recognize)	10.2 m to 31.7 m (33.5 ft. to 104.0 ft.)
DORI Distance (Identify)	5.1 m to 15.8 m (16.7 ft. to 51.8 ft.)
<b>Video</b>	
Video Compression	Ultra 265, H.265, H.264, MJPEG
Video Bit Rate	128 Kbps to 16 Mbps
U-code	Support
ROI	Up to 8 areas
Video Stream	Triple streams
Privacy Mask	Up to 8 areas (8 blacks / 8 mosaics)
OSD	Up to 8 OSDs
Frame Rate-Main Stream	1080P (1920 × 1080), max. 60 fps
Frame Rate-Sub Stream	1080P (1920 × 1080), max. 60 fps
Frame Rate-Third Stream	D1 (720 × 576), max. 60 fps
<b>Intelligent</b>	
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)
People Counting	Support people flow counting and crowd density monitoring
<b>Image</b>	
White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2

Digital Noise Reduction	2D/3D DNR
Flip	Flip vertical, Flip horizontal, Normal, 180°, 90° Clockwise, 90° Anti-clockwise
HLC	Support
BLC	Support
Defog	Digital defog
<b>Events</b>	
Basic Detection	Motion detection, Audio detection, Tampering alarm, Ultra motion detection
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output
<b>Audio</b>	
Audio Compression	G.711U, G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16KHZ
<b>Storage</b>	
Edge Storage	MicroSD, up to 512 GB
Network Storage	ANR, NAS (NFS)
<b>Network</b>	
Protocols	SSH, IGMP, RTP, RTCP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS
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+
<b>Illuminator</b>	
Illumination Distance (IR)	40 m (131.2 ft.)
IR On/Off Control	Auto/Manual
<b>Interface</b>	
Audio I/O	1 Input: impedance 1 k $\Omega$ , amplitude 2.5 V [p-p], 1 Output: impedance 600 $\Omega$ , amplitude 2.5 V [p-p]
Alarm I/O	1/1
Serial Port	1 $\times$ RS485
Built-in Mic	Built-in dual-mic
Built-in Speaker	N/A
Network	1 $\times$ RJ45 10 M/100 M Base-TX Ethernet
<b>Certification</b>	
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 (UL 62368-1)

Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)
Protection	IP67 (IEC 60529) IK10 (IEC 62262)
<b>General</b>	
Power	DC 12 V (±25%), PoE (IEEE 802.3af)
Power Consumption	Max. 8 W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	Ø148 mm × 111.4 mm (Ø5.8" × 4.4") (Ø × H)
Weight	0.95 kg (2.09 lb.)
Working Environment	-30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-40 °C to 70 °C (-40 °F to 158 °F), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	6 KV
Reset Button	Support

## Dimensions



# Accessories

**TR-JB04-C-IN**

Junction Box for 323 Series  
Fix-dome(Support wiring from behind)



**TR-JB07/WM04-B-IN**

4 Inch Back Hole Hemisphere Wall  
Mounting Assembling Bracket



**TR-WM04-IN**

4 Inch Hemisphere Wall Mounting Bracket



**TR-FM152-A-IN**

In-ceiling Bracket for 323 Series  
Fix-dome



**TR-SM04-IN**

Switch Box Adapter for 323 Series  
Fix-dome



**TR-A01-IN**

NPT 3/4" Waterproof Cable Gland



**TR-UP06-IN**

Universal Pole Mounting Bracket



**TR-UC08-C-V2**

Bullet&Dome Corner Mounting Bracket



**Zhejiang Uniview Technologies Co., Ltd.**

- <http://www.uniview.com>
- [overseasbusiness@uniview.com](mailto:overseasbusiness@uniview.com); [globalsupport@uniview.com](mailto:globalsupport@uniview.com)
- No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China



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