8MP WDR LightHunter IR Network Bullet Camera
IPC2B28SA-ADZK-PI-I2A

4K | **Lighthunter** | **WDR** | **Ultra 265** | **Edge storage** | **PoE**

IP67 | **IK10**
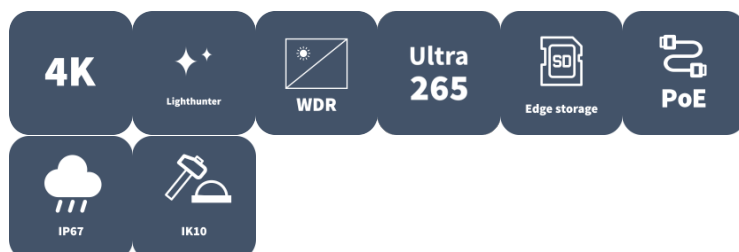
Features

- High quality image with 8 MP, 1/1.8" CMOS sensor
- 3840 × 2160@30 fps in the main stream, delivers ultra high definition live
- 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
- Traffic monitoring, supports capturing license plate and collecting car information when the car passes tripwire
- Wise-ISP technology, comprehensive improvement in image quality
- 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	IPC2B28SA-ADZK-PI-I2A
Camera	
Max Resolution	8 MP
Sensor	1/1.8" CMOS
Min. Illumination	Color: 0.001 Lux (F1.2, 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
S/N	> 56 dB
Lens	
Focal Length	2.7 to 13.5 mm
Optical Zoom	5X
Iris	F1.2
Field of View (H)	104.7° to 49.1°
Field of View (V)	56.4° to 27.9°
Field of View (D)	128.8° to 60.4°
Iris Type	P-iris
DORI	
DORI Distance (Lens)	2.7 to 13.5 mm
DORI Distance (Detect)	98.6 m to 209.9 m (323.3 ft. to 688.7 ft.)
DORI Distance (Observe)	39.4 m to 84.0 m (129.3 ft. to 275.5 ft.)
DORI Distance (Recognize)	19.7 m to 42.0 m (64.7 ft. to 137.7 ft.)
DORI Distance (Identify)	9.9 m to 21.0 m (32.3 ft. to 68.9 ft.)
Illuminator	
Illumination Distance (IR)	80 m (262.5 ft.)
Wavelength	850 nm
IR On/Off Control	Auto/Manual
Video	
Frame Rate-Main Stream	8 MP (3840 × 2160), max. 30 fps
Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate-Sub Stream	1080P (1920 × 1080), max. 30 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. 30 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
Defog	Digital defog
Intelligent	
People Counting	Support people flow counting and crowd density monitoring
Exception Detection	Object removed, Object Left Behind, Scene change, Defocus detection

Traffic Monitoring	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 avaliable: 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
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 kHz, 16 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	1/1
Serial Port	1 × RS485
Built-in Mic	Built-in dual-mic
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)
General	
Power	DC 12 V (±25%), PoE (IEEE 802.3af)
Power Consumption	Max. 12.5 W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	268 mm × 96 mm × 82 mm (10.5" × 3.7" × 3.2") (L × W × H)
Weight	1 kg (2.2 lb.)
Working Environment	-30 ℃ to 60 ℃ (-22 ℉ to 140 ℉), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	6 KV

Dimensions
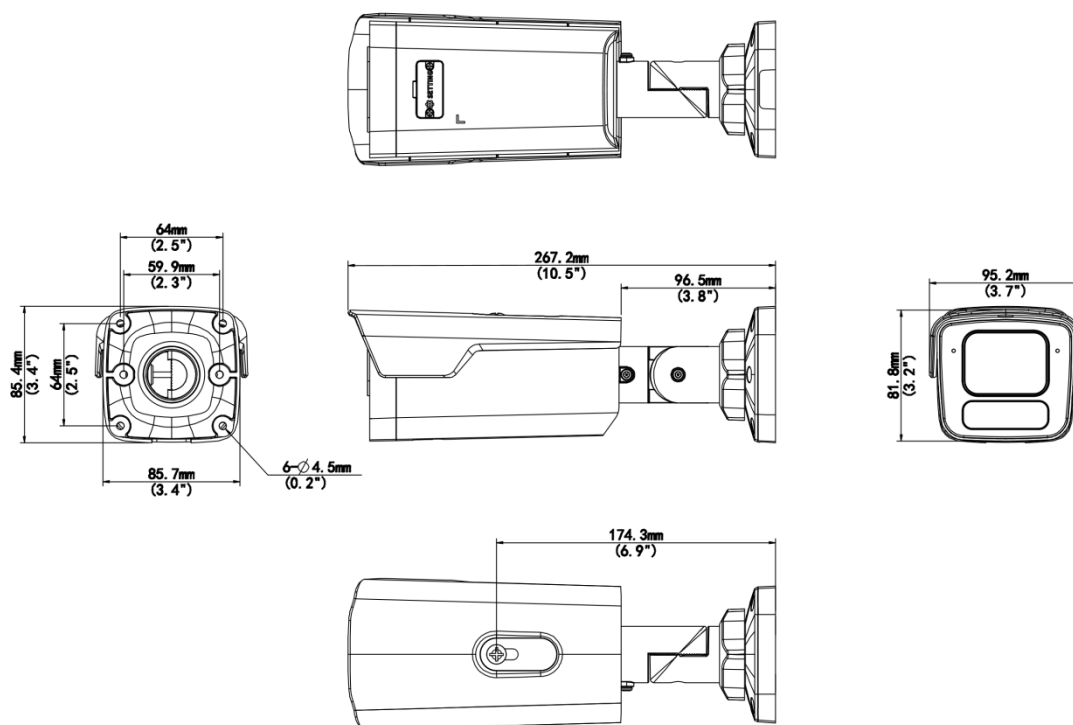
Accessories

TR-JB07-D-IN

Bullet Junction Box(Support wiring from behind)

TR-UP06-C-IN

Pole Mounting Bracket for Bullet Junction Box Only

TR-UP06-B-IN

Bullet Pole Mounting Bracket

TR-A01-IN

NPT 3/4'' Waterproof Cable Gland

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