8MP WDR LightHunter IR Network Bullet Camera

IPC2228SB-ADF28KM-I1

Features

- Ultra high quality image with 8 MP, 1/2.8" CMOS sensor
- 3840 × 2160@30 fps in the main stream, sub stream can be 1080P@30 fps simultaneously
- Ultra 265, H.265, H.264, MJPEG
- Smart intrusion prevention, supports false alarm filtering, including cross Line, intrusion, enter area, and leave area detection
- Lighthunter technology ensures ultra-high image quality in low illumination environments
- Supports 9:16 corridor mode
- Up to 120 dB optical WDR (wide dynamic range)
- Supports smart IR, up to 80 m (262.5 ft.) IR range
- DC 12 V, PoE (IEEE 802.3af) power supply
- Alarm I/O: 1/1, audio I/O: 1/1
- Built-in mic
- IP67, IK10

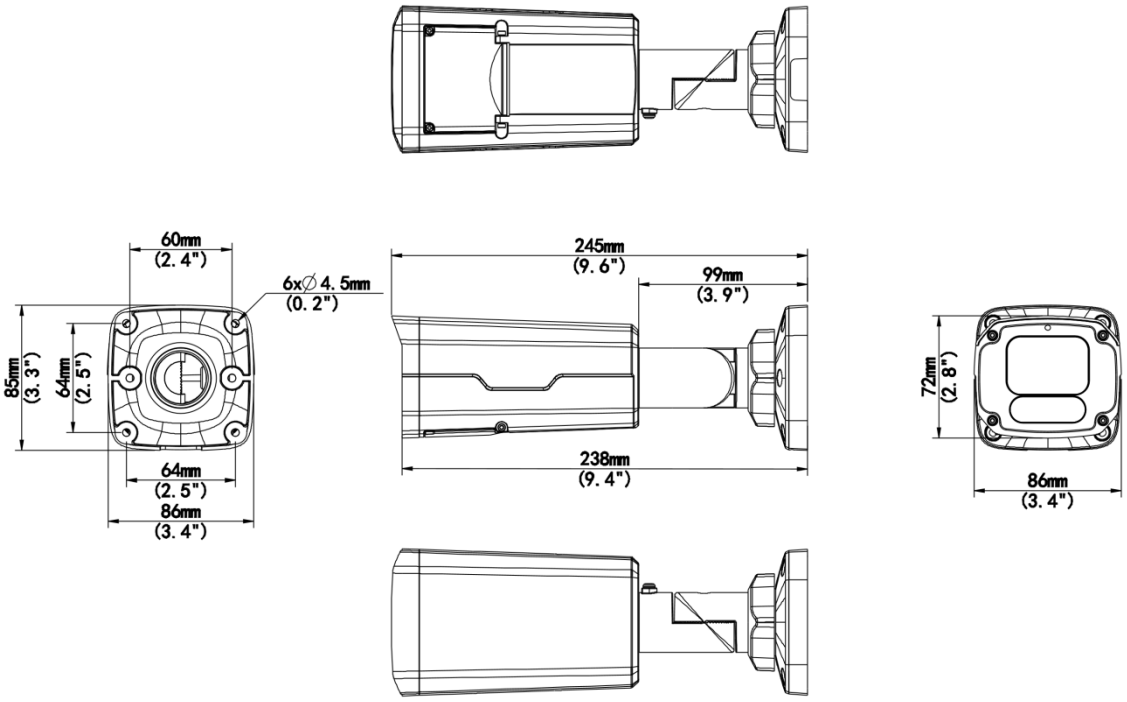
Specifications

Model	IPC2228SB-ADF28KM-I1
Camera	
Max Resolution	8 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	120 dB
S/N	>56 dB
Lens	
Focal Length	2.8 mm
Iris	F1.6
Field of View (H)	97°
Field of View (V)	53°
Field of View (D)	126.1°
Iris Type	Fixed
DORI	
DORI Distance (Lens)	2.8 mm
DORI Distance (Detect)	87.0 m (285.3 ft.)
DORI Distance (Observe)	34.8 m (114.2 ft.)
DORI Distance (Recognize)	17.4 m (57.1 ft.)
DORI Distance (Identify)	8.7 m (28.5 ft.)
Illuminator	
Illumination Distance (IR)	80 m (262.5 ft.)
Wavelength	850 nm
Video	
Frame Rate-Main Stream	8 MP (3840 × 2160), max. 30 fps
Frame Rate-Sub Stream	1080P (1920 × 1080), max. 30 fps
Video Compression	Ultra 265, H.265, H.264, MJPEG
Privacy Mask	Up to 8 areas (8 blacks/ 8 mosaics)
Video Bit Rate	128 Kbps to 16 Mbps
Frame Rate-Third Stream	D1 (720 × 576), max. 30 fps
ROI	Support
Video Stream	Triple streams
OSD	Up to 10 OSDs
Image	
White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2
Digital Noise Reduction	2D/3D DNR
Smart IR	Support
Flip	Normal, Flip vertical, Flip horizontal, 180°, 90° Clockwise, 90° Anti-clockwise
HLC	Support

Defog	Digital defog
Intelligent	
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
Audio	
Audio Compression	G.711U, G.711A, AAC-LC
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, RTP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS, SSH
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	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, TLS 1.3
Client	EZStation, UNV-Link, UNV-Link Pro
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
Built-in Mic	Support
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
General	
Built-in DC12V Output	Support
Power	DC 12 V (±25%), PoE (IEEE 802.3af)
Power Consumption	Max. 10 W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	245 mm × 87 mm × 86 mm (9.6" × 3.4" × 3.4") (L × W × H)
Weight	0.82 kg (1.81 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)
Certification	
EMC	CE-EMC (EN 55032: 2015+A1:2020,EN 61000-3-3: 2013+A1: 2019,EN IEC 61000-3-2: 2019+A1: 2021,EN 55035: 2017+A11:2020)

	FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017) UL (UL 62368-1, 3rd Ed., 2021-10-22)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013) IK10 (IEC 62262:2002)

Dimensions



Accessories

TR-JB07-D-IN	TR-JB07-D-IN-V2	TR-JB06-A-IN
Bullet Junction Box(Support wiring from behind)	Bullet Junction Box(Support wiring from behind)	Middle Bullet Junction Box(Elegant White)

TR-UP06-B-IN	TR-A01-IN	TR-UP06-C-IN-V2
Bullet Pole Mounting Bracket	NPT 3/4'' Waterproof Cable Gland	Pole Mounting Bracket for Bullet Junction Box Only

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

©2024-2026 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.