

4MP HD Intelligent ColorHunter Fixed Bullet Network Camera IPC2224SE-DF40(60)K-WL-IO



Features

- High quality image with 4 MP, 1/1.8" CMOS sensor
- 4 MP (2688 × 1520)@30/25 fps; 4 MP (2560 × 1440)@30/25 fps; 3 MP (2304 × 1296)@30/25 fps; 1080P (1920 × 1080)@30/25 fps
- Ultra 265, H.265, H.264, MJPEG
- Smart intrusion prevention, including cross line, intrusion, enter area, leave area detection
- Based on target classification, smart intrusion prevention significantly reduces false alarm caused by leaves, birds and lights, accurately focusing on human, motor vehicle and non-motor vehicle
- Intelligent people flow counting and crowd density monitoring
- ColorHunter technology ensures 24-hour full-color images
- 120 dB true WDR technology enables clear image in strong light scene
- Supports 9:16 corridor mode
- Alarm I/O: 1/1, audio I/O: 1/1
- MicroSD, up to 512 GB
- IK10 vandal resistant
- IP67 protection
- Supports PoE power supply

Specifications

Model	IPC2224SE-DF40K-WL-I0		IPC2224SE-DF60K-WL-I0
Camera			
Max Resolution	4 MP		
Sensor	1/1.8" CMOS		
Min. Illumination	Color: 0.0005 Lux (F1.0, AGC ON)		
Shutter	Auto/Manual, 1 ~ 1/100000s		
Adjustment Angle	Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360°		
S/N	>56 dB		
WDR	120 dB		
Lens			
Focal Length	4.0 mm	6.0 mm	
Iris Type	Fixed		
Iris	F1.0		
Field of View (H)	97.7°	62.4°	
Field of View (V)	53.7°	35.4°	
Field of View (D)	113.5°	76.7°	
DORI			
DORI Distance (Lens)	4 mm	6 mm	
DORI Distance (Detect)	62.1 m (203.7 ft.)	93.1 m (305.5 ft.)	
DORI Distance (Observe)	24.8 m (81.4 ft.)	37.2 m (122.1 ft.)	
DORI Distance (Recognize)	12.4 m (40.7 ft.)	18.6 m (61.0 ft.)	
DORI Distance (Identify)	6.2 m (20.3 ft.)	9.3 m (30.5 ft.)	
Illuminator			
Supplemental Light	Warm light		
Illumination Distance (Warm Light)	30 m (98.4 ft.)		
Light On/Off Control	Auto/Manual		
Video			
Video Compression	Ultra 265, H.265, H.264, MJPEG		
H.264 Code Profile	Baseline profile, Main profile, High profile		
Frame Rate	Main Stream: 4 MP (2688 × 1520), max. 30 fps; 4 MP (2560 × 1440), max. 30 fps; 3 MP (2304 × 1296), max. 30 fps; 1080P (1920 × 1080), max. 30 fps; Sub Stream: 720P (1280 × 720), max. 30 fps; D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps; Third Stream: D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps; 2CIF (704 × 288), max. 30 fps; CIF (352 × 288), max. 30 fps;		
Video Bit Rate	128 Kbps to 16 Mbps		
U-code	Support		
OSD	Up to 8 OSDs		
Privacy Mask	Up to 4 areas		
ROI	Support		
Video Stream	Triple streams		

Image		
Smart Illumination	Support	
White Balance	Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2	
Digital Noise Reduction	2D/3D DNR	
Flip	Normal, Flip Vertical, Flip Horizontal, 180°, 90°Clockwise, 90°Anti-clockwise	
Dewarping	N/A	
HLC	Support	
BLC	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)	
Statistical Analysis	N/A	
People Counting	Support people flow counting and crowd density monitoring	
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	
Audio Bitrate	64 Kbps	
Two-way Audio	Support	
Suppression	Support	
Sampling Rate	8 kHz	
Storage		
Edge Storage	MicroSD, up to 512 GB	
Network Storage	ANR, NAS (NFS)	
Network		
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, SSL/TLS, SSH	
Compatible Integration	ONVIF (Profile S, Profile G, Profile T, Profile M) API SDK	API SDK ONVIF (Profile S, Profile G, Profile T, Profile M)
User/Host	Up to 32 users, 2 user levels: administrator and common user	
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	
Client	EZStation, APP	
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+	
Interface		
Audio I/O	1 Input: impedance 35 kΩ, amplitude 2 V [p-p], 1 Output: impedance 600 Ω, amplitude 2 V [p-p]	
Alarm I/O	1/1	
Serial Port	N/A	

Built-in Mic	N/A
Built-in Speaker	N/A
WIFI	N/A
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
Video Output	N/A
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) CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
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)
General	
Power	DC 12 V±25%, PoE (IEEE 802.3af)
Power Consumption	Max. 9.0 W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	245 mm × 86 mm × 85 mm (9.6" × 3.4" × 3.3") (L × W × H)
Weight	0.87 kg (1.92 lb.)
Material	Metal
Working Environment	-30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	4 KV
Reset Button	Support
Web Client Language	20 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

Technical drawing of a mechanical part, showing multiple views (front, side, top, bottom) and dimensions. The drawing includes a title block, a revision table, and a drawing information table.

Dimensions:

- Top View: 85mm (3.3"), 64mm (2.5"), 60mm (2.4"), 64mm (2.5"), 86mm (3.4"), 6x $\varnothing$ 4.5mm (0.2")
- Side View: 245mm (9.6"), 99mm (3.9"), 238mm (9.4")
- Bottom View: 72mm (2.8"), 86mm (3.4")

Revision Table:

REV	ECO NO.	DESCRIPTION

Drawing Information Table:

DRAW		DATE	UNIT S	DWG NO.
CHD	DATE	FINISH	PART NO.	REV
STD	DATE	WASING		
APPD	DATE	SCALE		
PRODUCT	DATE	SHEET	OF	WAT L

Title:

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