

# 4K HD Intelligent ColorHunter Fixed Bullet Network Camera

IPC2228SE-DF40(60)K-WL-I0



## Features

- High quality image with 8MP, 1/1.8"CMOS sensor
- 8MP (3840\*2160)@ 30(Intelligent off)/25fps; 5.3MP (3072\*1728)@ 30/25fps; 3.6MP (2560\*1440) @30/25fps; 2MP (1920\*1080) @30/25fps; 720P (1280\*720), Max 30/25fps
- Ultra 265, H.265, H.264, MJPEG
- Smart intrusion prevention, include cross line, intrusion, enter area, leave area detection
- Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds and lights etc., accurately focus on human and, motor vehicle and non-motor vehicle
- Intelligent
- Intelligent People Flow Counting and Crowd Density Monitoring
- Colorhunter technology ensures 24-hour full-color images
- 120dB true WDR technology enables clear image in strong light scene

- Support 9:16 corridor Mode
- Alarm:1 in/1 out, Audio: 1 in/1 out
- Supports 512 G micro SD card
- IK10 vandal resistant
- IP67 protection
- Support PoE power supply

## Specifications

Camera	Description
Max Resolution	8MP
Sensor	1/1.8" CMOS
Min. Illumination	Colour: 0.0005 lux (F1.0, AGC ON)
Shutter	Auto/Manual, 1 ~ 1/100000s
Adjustment Angle	Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotate: 0° ~ 360°
S/N	>56dB
WDR	120dB
Lens	Description
Focal Length	IPC2228SE-DF40K-WL-I0:4.0 mm IPC2228SE-DF60K-WL-I0:6.0 mm
Iris Type	Fixed
Iris	F1.0
Field of View (H)	IPC2228SE-DF40K-WL-I0:94.3° IPC2228SE-DF60K-WL-I0:57.3°
Field of View (V)	IPC2228SE-DF40K-WL-I0:49.7° IPC2228SE-DF60K-WL-I0:30.2°
Field of View (D)	IPC2228SE-DF40K-WL-I0:115.9° IPC2228SE-DF60K-WL-I0:70.5°
DORI	Description
DORI Distance (Lens)	IPC2228SE-DF40K-WL-I0:4.0mm IPC2228SE-DF60K-WL-I0:6.0mm
DORI Distance (Detect)	IPC2228SE-DF40K-WL-I0:90.0m(295.3ft)

	IPC2228SE-DF60K-WL-I0:135.0m(442.9ft)
DORI Distance (Observe)	IPC2228SE-DF40K-WL-I0:36.0m(118.1ft) IPC2228SE-DF60K-WL-I0:54.0m(177.2ft)
DORI Distance (Recognize)	IPC2228SE-DF40K-WL-I0:18.0m(59.1ft) IPC2228SE-DF60K-WL-I0:27.0m(88.6ft)
DORI Distance (Identify)	IPC2228SE-DF40K-WL-I0:9.0m(29.5ft) IPC2228SE-DF60K-WL-I0:13.5m(44.3ft)
<b>Illuminator</b>	Description
Supplemental Light	Warm Light
Illumination Distance (Warm Light )	30 m (98.4 ft)
Light On/Off Control	Auto/Manual
<b>Video</b>	Description
Video Compression	Ultra 265; H.265; H.264; MJPEG
Frame Rate	Main Stream: 8MP (3840*2160), Max 30fps;5.3MP (3072*1728), Max 30fps; 3.6MP (2560*1440), Max 30fps; 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; Sub Stream: 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360,Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360,Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps
H.264 Code Profile	Baseline profile, Main profile, High profile
Video Bit Rate	128 Kbps ~ 16 Mbps
U-code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Support
Video Stream	Triple Streams
<b>Image</b>	Description
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

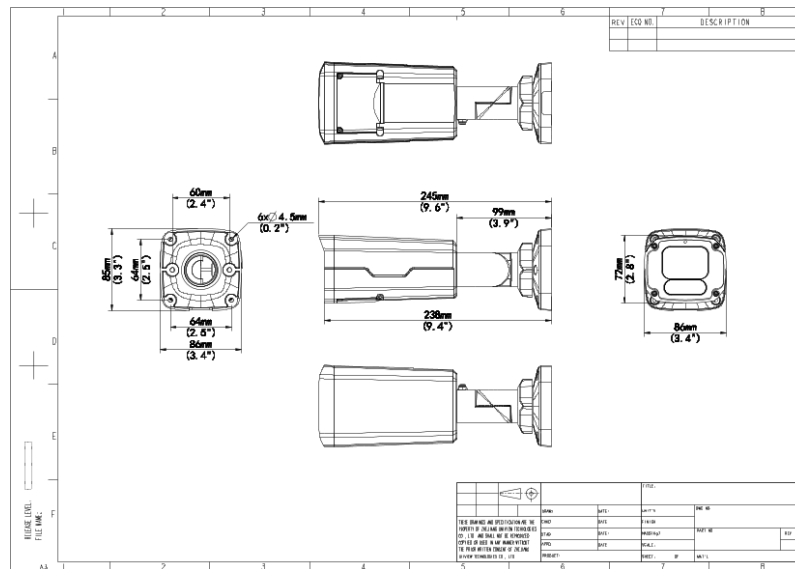
HLC	Support
BLC	Support
Defog	Digital Defog
<b>Intelligent</b>	Description
Smart Intrusion Prevention	Cross line detection, Intrusion detection, Enter area detection, Leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)
Statistical Analysis	N/A
People Counting	Support People Flow Counting and Crowd Density Monitoring
<b>Events</b>	Description
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
<b>Audio</b>	Description
Audio Compression	G.711U; G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 KHz
<b>Storage</b>	Description
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR; NAS (NFS)
<b>Network</b>	Description
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
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	UNV-Link; UNV-Link Pro; EZStation
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above; Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above,

	Edge 16 and above
<b>Interface</b>	<b>Description</b>
Audio I/O	1 Input: impedance 35k $\Omega$ ; amplitude 2V [p-p]; 1 Output: impedance 600 $\Omega$ ; amplitude 2V [p-p]
Alarm I/O	1/1
Serial Port	N/A
Built-in Mic	Support
Built-in Speaker	N/A
WIFI	N/A
Network	1 x RJ45 10M/100M Base-TX Ethernet
Video Output	N/A
<b>Certification</b>	<b>Description</b>
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)
<b>General</b>	<b>Description</b>
Power	DC 12V $\pm$ 25%, PoE (IEEE 802.3af)
Power Consumption	Max 11.0W
Power Interface	$\varnothing$ 5.5 mm coaxial power plug
Dimensions	245 $\times$ 86 $\times$ 85mm (9.6" $\times$ 3.4" $\times$ 3.3" ) (L x W x H)
Weight	0.86kg (1.89lb)
Material	Metal
Working Environment	-30 $^{\circ}$ C $\sim$ 60 $^{\circ}$ C (-22 $^{\circ}$ F $\sim$ 140 $^{\circ}$ F), Humidity: $\leq$ 95% RH (non-condensing)
Storage Environment	-30 $^{\circ}$ C $\sim$ 60 $^{\circ}$ C (-22 $^{\circ}$ F $\sim$ 140 $^{\circ}$ F), Humidity: $\leq$ 95% RH (non-condensing)
Surge Protection	4KV
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

## Dimensions



## Accessories

**TR-JB07-D-IN**

Bullet Junction Box(Support wiring from behind)

**TR-JB06-A-IN**

Middle Bullet Junction Box(Elegant White)

**TR-UP06-B-IN**

Bullet Pole Mounting Bracket


**TR-UP06-C-IN**

Pole Mounting Bracket for Bullet Junction Box Only

**TR-A01-IN**

NPT 3/4" Waterproof Cable Gland

**TR-UC08-C**

Bullet&amp;Dome Corner Mounting Bracket



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