

## IK28P-460B

### HiLook 6 MP PoE Bullet Camera Kit with Smart Hybrid Light

#### Key Feature

- All-in-one PoE kit contains everything required for small video surveillance scenarios.
- One 8-channel PoE NVR with decoding up to 4K resolution and 2 TB pre-installed HDD
- Four 6MP fixed bullet network cameras with Smart Hybrid Light technology
- Four network cables included



#### Camera

- High quality imaging with 6 MP resolution
- Support Person and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range light
- Efficient H.265+ compression technology
- Support on-board storage up to 512 GB (SD card slot)
- Provide real-time security via built-in microphone
- Water and dust resistant (IP67)



#### NVR

- Up to 8-ch network camera inputs
- Up to 1-ch@8 MP/3-ch@4 MP/6-ch@1080p decoding capacity
- HDMI video output at up to 4K resolution
- HiLookVision for easy network management



## ▪ Camera Specification

Camera	
Image Sensor	1/2.4" Progressive Scan CMOS
Max. Resolution	3200 × 1800
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 mm
Focal Length & FOV	Horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
DORI	
DORI	D: 76 m, O: 30 m, R: 15 m, I: 7 m
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream
Audio	
Audio Type	Mono sound
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)

Network	
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
Simultaneous Live View	Up to 6 channels
API	Open Network Interface (Profile S, Profile T, Profile G), ISAPI, SDK
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-4200, HiLookVision
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 80+, Firefox 80+, Edge 89+
Image	
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Privacy Mask	4 programmable rectangle privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Microphone	Yes, 1 built-in microphone
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (person and vehicle)), video tampering alarm, exception
Linkage	Upload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture
General	
Power	12VDC ± 25%, 0.41A, 5W MAX PoE(IEEE 802.3af class 3), 6.5W MAX
Material	Metal
Dimension	179 mm × 67.4 mm × 69.1 mm (7.1" × 2.7" × 2.7")
Weight	Approx. 450 g (1.0 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email

Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, IC: ICES-003: Issue 7
Safety	CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013

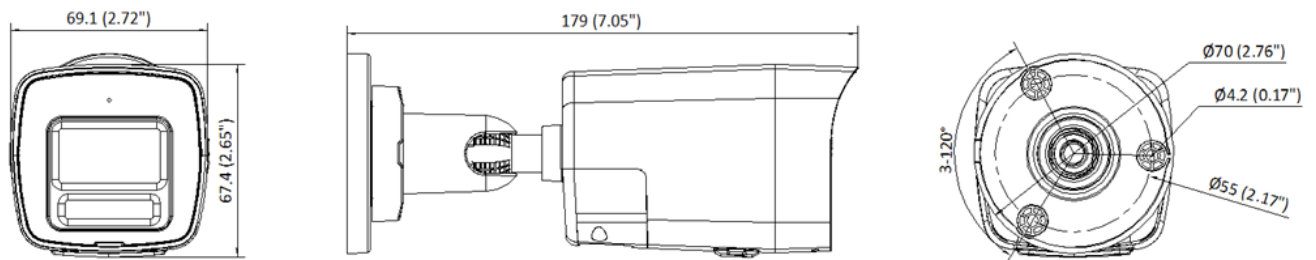
## ▪ Camera Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This camera model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.





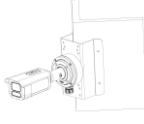

## ▪ Camera Dimension



Unit: mm (inch)

## ▪ Camera Accessory

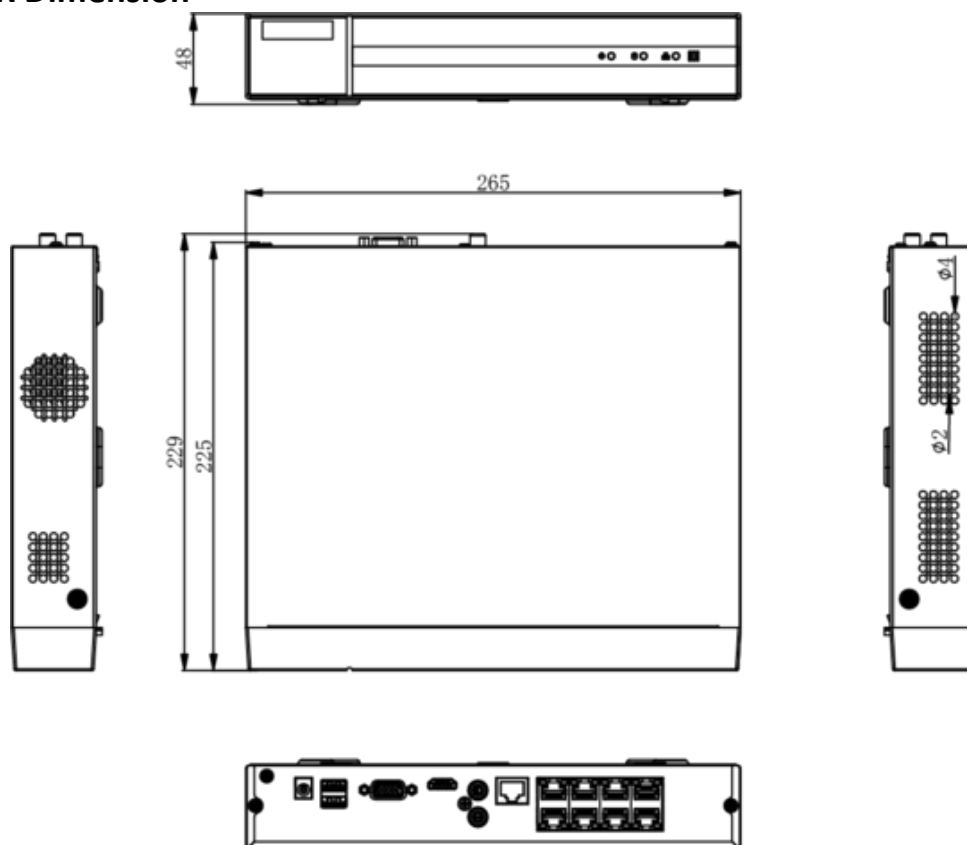
### ▪ Optional, not included in the kit

DS-1275ZJ-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount	DS-1280ZJ-XS Junction box
		
		

## ▪ NVR Specification

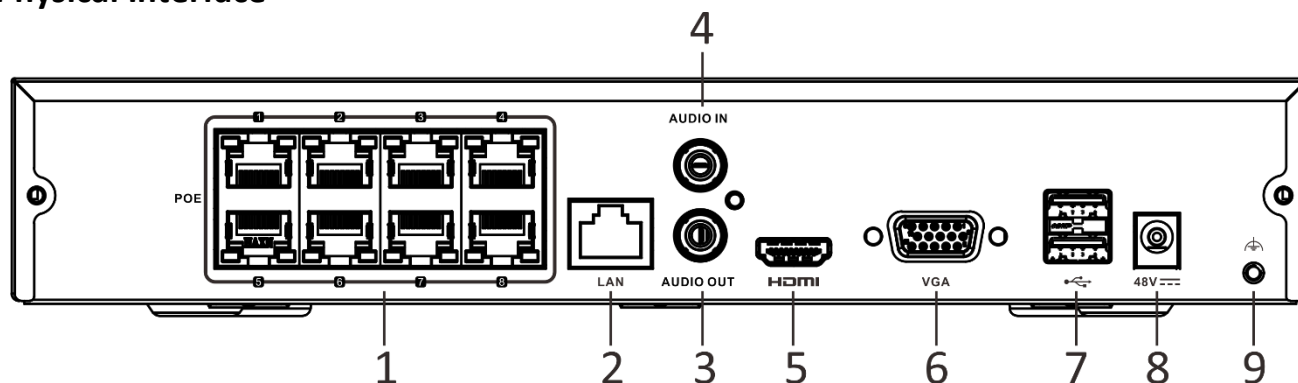
Motion Detection 2.0	
Person/Vehicle Analysis	4-ch
Video and Audio	
IP Video Input	8-ch
Incoming Bandwidth	80 Mbps
Outgoing Bandwidth	80 Mbps
HDMI Output	1-ch, 4K (4096 x 2160)/30 Hz, 4K (3840 x 2160)/30 Hz, 2K (2560 x 1440)/60 Hz, 1920 x 1080/60 Hz, 1600 x 1200/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz
VGA Output	1-ch, 1920 x 1080/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz
Video Output Mode	HDMI/VGA simultaneous output
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1kΩ)
Decoding	
Decoding Format	H.265+/H.265/H.264+/H.264
Recording Resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/ 720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	8-ch
Decoding Capability	1-ch@8 MP (30 fps)/3-ch@4 MP (30 fps)/6-ch@1080p (30 fps)
Stream Type	Video, Video & Audio
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726
Network	
Remote Connection	32
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network Interface	1 RJ-45 10 /100 Mbps self-adaptive Ethernet interface
PoE	
Interface	8-ch, RJ-45 10/100 Mbps self-adaptive Ethernet interface
Power	≤ 75 W
Standard	IEEE 802.3 af/at
Auxiliary Interface	
SATA	1 SATA interface
Capacity	2TB HDD pre-installed, up to 8 TB capacity for SATA interface
USB Interface	2 x USB 2.0
Alarm In/Out	N/A
General	
Power Supply	48 VDC, 1.88 A
Consumption	≤ 10 W (without HDD and PoE off)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Dimension (W x D x H)	265 x 225 x 48 mm (10.2" x 8.9" x 1.9")
Weight	≤ 1 kg (without HDD, 2.2 lb.)

## ▪ NVR Dimension



scale/1:1;Unit/mm

## ▪ Physical Interface



No.	Description	No.	Description
1	Network interfaces with PoE function	6	VGA output (DB9 connector)
2	LAN interface	7	USB interfaces
3	AUDIO OUT	8	Power supply
4	AUDIO IN	9	GND
5	HDMI interface		

## ▪ Models included in the kit

Camera: IPC-B160HA-LUF(2.8mm)

NVR: NVR-108MH-C/8P



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