

## technical specifications

# VK-IPC-B381-AS-I



8 MP  
2.8 mm



built-in IR LED  
50 m



perimeter protection  
face detection  
SMD



IP67  
metal case

### Camera

Image sensor	1/2.8" CMOS
Max. resolution	8MP, 3840 (H) x 2160 (V)
ROM	128 MB
RAM	256 MB
Electronic shutter	Auto/Manual 1/3 s - 1/1000000 s
Min. illumination	0.007 Lux (Color) 0.0007 Lux (B/W) 0 Lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination distance	IR distance 50 m
Illuminator control	Auto/Manual

### Lens

Lens type	Fixed-focal
Focal length	2.8 mm
Max. aperture	F/1.6
Field of view	H: 107° / V: 56° / D: 127°
Iris type	Auto

### Video

Compression	H.264H/H.264M/H.264B/H.265
Smart compression	H.264H+/H.264M+/H.264B+/H.265+
Video frame rate	Main Stream: 8 MP (1 fps-20 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps)
Bit rate control	CBR/VBR
Video bit rate	H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps
Day/Night	Color/B/W
BLC	Yes
HLC	Yes
AWB	Yes
AGC	Auto/Manual
WDR	140 dB

Motion detection	OFF/ON (4 areas, rectangular)
Noise reduction	3D NR
Image rotation	0°/90°/180°/270°
Mirror	Yes
Privacy masking	4 areas

### Intelligence

Smart motion detection	Yes
Perimeter protection	Intrusion, tripwire (Support the classification of Vehicle / Human / Non-Motor)
Face detection	Yes
AI search	Works together with NVR

### Audio

Built-in mic	Yes
Built-in speaker	Yes
Audio compression	G.711a/G.711Mu/G.726/G.726ASF

### Alarm

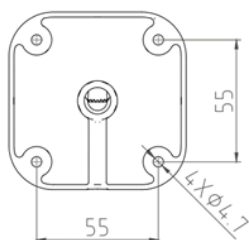
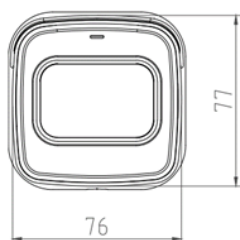
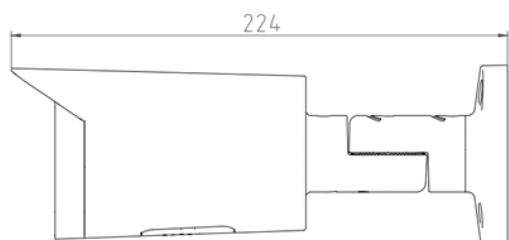
Sound alarm	Yes
Alarm event	network disconnection; IP conflict, no SD card, capacity warning, SD card error

### Network

Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network protocol	TCP/IP, UDP, HTTP, IGMP, ICMP, DHCP, RTP/RTSP, DNS, DDNS, FTP, NTP, PPPOE, UPNP, SMTP
Interoperability	ONVIF, CGI, P2P
User/Host	20 (total bandwidth: 80 M)
Storage	FTP, micro SD card (support max. 256G)
Browser	IE8 and later Chrome Firefox

## General

Power supply	12V DC ( $\pm 30\%$ ) / PoE (802.3af)
Power consumption	Basic: 2.5W / Max.: 5.2W
Operating conditions	$-30^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ / Less than 95% RH
Storage conditions	$-40^{\circ}\text{C}$ to $+60^{\circ}\text{C}$
Protection grade	IP67
Casing	Metal
Dimensions	224 mm $\times$ 77 mm $\times$ 76 mm



### Accessories (not included):



VK-BOX-B3  
VK-BOX-B3-B

**Available models:**  
VK-IPC-B381-AS-I  
VK-IPC-B381-AS-I-B