

technical specifications

VK-IPC-D381-ZAS-I



8 MP
2.7 mm – 13.5 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 | Motorized vari-focal |
| Focal length | 2.7 mm – 13.5 mm |
| Max. aperture | F/1.6 |
| Field of view | H: 109° – 30° / V: 56° – 17° / D: 131° – 35° |
| 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 |
| Audio compression | G.711a/G.711Mu/G.726/G.726ASF |

Alarm

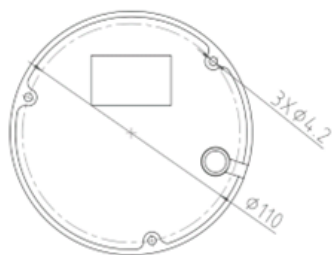
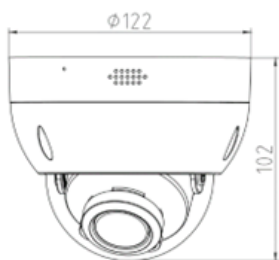
| | |
|-------------|--|
| Sound alarm | Yes |
| Alarm event | network disconnection; IP conflict, no SD card, capacity warning, SD card error |

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.: 6.2W |
| Operating conditions | -30°C to $+60^{\circ}\text{C}$ / Less than 95% RH |
| Storage conditions | -40°C to $+60^{\circ}\text{C}$ |
| Protection grade | IP67, IK10 |
| Casing | Metal |
| Dimensions | 102 mm \times $\phi 122$ mm |



Available models:
 VK-IPC-D381-ZAS-I
 VK-IPC-D381-ZAS-I-B