MOVOK

8 MP
2.8 mm

smart dual light
IR and white light

perimeter protection
SMD

IP67
metal case

Camera

Image sensor	1/2.7" CMOS
Max. resolution	8 MP, 3840 (H) x 2160 (V)
Electronic shutter	Auto / Manual 1/3 s - 1/100,000 s
Min. illumination	0.007Lux(Color); 0.0007Lux (B/W); 0Lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination distance	IR light 40 m / white light 40 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	120 dB
Motion detection	OFF/ON (4 areas, rectangular)

Noise reduction	3D NR
Image rotation	180°
Mirror	Yes
Privacy masking	4 areas

Intelligence

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

Audio

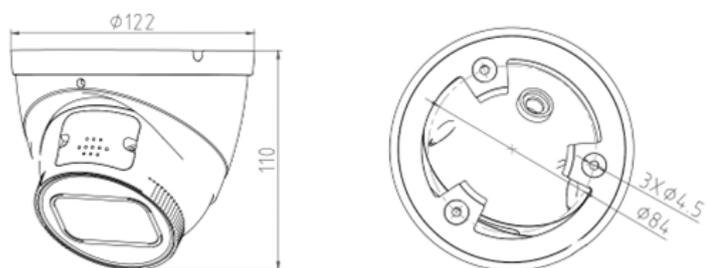|	
Built-in mic	Yes

Alarm

Arming / disarming	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 (Q2 2025)
User/Host	20 (total bandwidth: 80 M)
Storage	FTP, micro SD card (support max. 256G)
Browser	IE8 and later, Chrome, Firefox

MOVOK

General

Power supply	12V DC (±30%) / PoE (802.3af)
Power consumption	Basic: 2.5W / Max.: 5.2W
Operating conditions	−30°C to +60°C / Less than 95% RH
Storage conditions	−40°C to +60°C
Protection grade	IP67
Casing	Metal
Dimensions	110 mm x ⌀122 mm

Available models:
VK-IPC-T281-AS-LI
VK-IPC-T281-AS-LI-B