

KM-CDAi2967AePN

2MP 16x IR Network PTZ Camera

Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.



- 1/2.8" 2Megapixel STARVIS™ CMOS.
- 16× optical zoom.
- Starlight technology.
- Max. 25/30 fps@1080p.
- IR distance up to 100 m.
- H.265 encoding.
- Perimeter protection.
- Face Detection. Up to 8 faces captured at the same time.



Camera				
Image Sensor	1/2.8" CMOS			
Pixel	2 MP			
Max. Resolution	1920 (H) × 1080 (V)			
ROM	128 MB			
RAM	256 MB			
Electronic Shutter Speed	1/1 s–1/30,000 s			
Scanning System	Progressive			
Min. Illumination	Color: 0.005 lux@F1.6 B/W: 0.0005 lux@F1.6 0 lux (IR light on)			
Illumination Distance	100 m (328.08 ft) (IR)			
Illuminator On/Off Control	Zoom Prio; Manual; Smart IR			
Illuminator Number	3 (IR)			
Lens				
Focal Length	5.0 mm–80.0 mm			
Max. Aperture	F1.6			
Field of View	H: 53.9°–4.6°; V: 30.3°–2.6°; D: 60°–5.3°			
Optical Zoom	16×			
Focus Control	Auto; semi-auto; manual			
Close Focus Distance	0.1 m–2 m (0.33 ft–6.56 ft)			
Iris Control	Fixed			
DORI Distance	Detect	Observe	Recognize	Identify
	1,131 m (3,710.63 ft)	452 m (1,482.94 ft)	226 m (741.47 ft)	113 m (370.73 ft)
PTZ				
Pan/Tilt Range	Pan: 0° to 360° endless Tilt: –15° to +90°, auto flip 180°			

Manual Control Speed	Pan: 0.1°/s–80°/s Tilt: 0.1°/s–80°/s
Preset Speed	Pan: 80°/s; Tilt: 80°/s
Preset	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Yes
Idle Motion	Pattern; Preset; Tour
PTZ Protocol	DH-SD Pelco-P/D (auto recognition)
Intelligence	
IVS (Perimeter Protection)	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification
Face Detection	Support face detection; capturing pictures; face enhancement
SMD	YES
Video	
Video Compression	H.264H; H.264B; Smart H.265+; H.265; MJPEG (Sub Stream 1); Smart H.264+; H.264M
Streaming Capability	3 streams
Resolution	1080p (1920 × 1080); 960p (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Video Frame Rate	Main stream: 1080p/960p/720p (1–25/30 fps) Sub stream 1: D1/VGA/CIF (1–25/30 fps) Sub stream 2: 1080p/960p/720p (1–25/30 fps)
Bit Rate Control	CBR; VBR
Video Bit Rate	H.264: 1792 kbps–8192 kbps H.265: 512 kbps–5632 kbps
Day/Night	Auto (ICR); Color; B/W
BLC	Yes

KM-CDAi2967AePN

2MP 16x IR Network PTZ Camera

Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.

WDR	120 dB
HLC	Yes
White Balance	Auto; indoor; outdoor; ATW; manual; sodium lamp; natural light; street lamp
Gain Control	Auto; manual
Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Region of Interest (RoI)	Yes
Image Stabilization	Electronic (EIS)
Defog	Electronic
Digital Zoom	16x
Image Rotation	180°
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view
S/N Ratio	≥55 dB

Audio

Audio Compression G.711a; G.711Mu; G.722.1; G.726; MPEG2-Layer2; G.729

Network

Network Port RJ-45 (10/100 Base-T)

Network Protocol TCP; FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; IP Filter; SMB; HTTP; SSL; DHCP; SMTP; SNMP v1/v2c/v3 (MIB-2); QoS; RTSP; ARP

Interoperability CGI; SDK; API; SDK; ONVIF (Profile S&G&T)

Streaming Method Unicast; Multicast

User/Host 20 (total bandwidth: 64 M)

Storage FTP; Micro SD card (512 GB); NAS

Browser IE 7 and later versions
Chrome
Firefox
Safari

Management Software KBView Plus, KBiVMS

Mobile Client iPhone; iPad; iOS; Android

Port

Audio Input 1 channel (LINE IN, bare wire)

Audio Output 1 channel (LINE OUT, bare wire)

Alarm I/O 2/1

Audio I/O 1/1

Alarm Linkage Capture; preset; tour; pattern; recording; alarm digital input; audio; send email

Alarm Event Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection; power exception detection

Power	
Power Supply	12 VDC, 3 A (± 10%) PoE (802.3at)
Power Consumption	Basic: 12 W Max.: 20 W (IR light)
Environment	
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	≤95%
Protection	IP66; TVS 6000 V lightning proof; surge protection; voltage transient protection
Structure	
Product Dimensions	270.4 mm × Ø160.0 mm (10.65" × Ø6.30")
Net Weight	2.4 kg (5.29 lb)
Gross Weight	3.9 kg (8.60 lb)
Dimensions (mm[inch])	

