KBVISION

KX-EAi2329UPN

2MP 32x Starlight IR Network PTZ Camera

· 1/2.8" 2Megapixel STARVIS™ CMOS.
· 32× optical zoom.
· Starlight technology.
· Max. 25/30 fps@1080p.
· IR distance up to 250 m.
· Auto Tracking 3.0.
· Perimeter protection.
· Face detection.
· SMD 4.0.
· Quick Pick.
· IP67, IK10.

Perimeter Protection | Face Detection | WDR | Starlight | Quick Pick | Auto Tracking

Camera

Image Sensor	1/2.8" CMOS
Pixel	2 MP
Max. Resolution	1920 (H) × 1080 (V)
ROM	4 GB
RAM	1 GB
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@F1.6 (IR light on)
Illumination Distance	250 m (820.21 ft) (IR)
Illuminator On/Off Control	Zoom Prio; Manual; Smart IR; Off
Illuminator Number	6 (IR)

Lens

Focal Length	4.8 mm–154 mm			
Max. Aperture	F1.6–F4.0			
Field of View	H: 60.2°–2.7°; V: 34°–1.5°; D: 68°–3°			
Optical Zoom	32×			
Focus Control	Auto; semi-auto; manual			
Close Focus Distance	0.8 m–5.0 m (2.62 ft–16.40 ft)			
Iris Control	Auto; manual			
DORI Distance	Detect	Observe	Recognize	Identify
	1,986 m (6,915.75 ft)	785 m (2,575.46 ft)	398 m (1,305.77 ft)	198 m (649.61 ft)

PTZ

Pan/Tilt Range	Pan: 0° to 360° endless Tilt: –20° to +90°, auto flip 180°
Manual Control Speed	Pan: 0.1°/s–260°/s Tilt: 0.1°/s–120°/s

Preset Speed	Pan: 0°/s–300°/s Tilt: 0°/s–200°/s
Preset	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Yes
Idle Motion	Pattern; Preset; Scan; Tour
PTZ Protocol	DH-SD Pelco-P/D(Auto recognition)

Intelligence

IVS (Perimeter Protection)	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; Vehicle/Human Alarm Classification; linkage tracking
Face Detection	Face detection; bounding box; optimization; capturing pictures; uploading high-quality face snapshots; face enhancement. Face attributes: Gender, age, facial expressions (Anger, sad, antipathy, fear, surprise, calm, happy, and confused), face mask, and mustache. Face image and 1 inch photos are supported for face cutouts. Face capture: Real-time snapshot, face priority, and quality priority.
Auto Tracking	Yes
SMD	Yes
Quick Pick	With AI NVR, quickly pick up the human/vehicle targets that users are interested in from SMD events.

Video

Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream); Smart H.264+
Streaming Capability	3 streams

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

Resolution	1080p(1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Video Frame Rate	Main stream: 1080p/1.3M/720p @(1–25/30 fps) Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps)
Bit Rate Control	CBR/VBR
Video Bit Rate	H264: 96 kbps–14848 kbps H265: 38 kbps–8960 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
WDR	120 dB
HLC	Yes
White Balance	Auto; indoor; outdoor; tracking; 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	Yes
Defog	Electronic
Digital Zoom	16×
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	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723

Network

Network Port	1×RJ-45 (10/100 Base-T)
Network Protocol	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; Qos; RTSP; ARP
Interoperability	CGI; SDK; ONVIF (Profile S&G&T)
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth: 64 M)
Storage	Micro SD card (512 GB); FTP/SFTP; NAS
Browser	IE 9 and later versions Chrome 42 and later versions Firefox 50 and later versions Safari 10 and later versions
Management Software	KBiVMS, KBView Plus
Mobile Client	iOS; Android

Port

Analog Output	1 channel (CVBS output, BNC)
RS-485	1 (baud rate: 1200 bps–9600 bps)
Audio Input	1 channel (LINE IN, bare wire)
Audio Output	1 channel (LINE OUT, bare wire)
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
Alarm I/O	7/2
Audio I/O	1/1

Power

Power Supply	24 VDC, 2.5 A ± 25%, PoE+ (802.3at)
Power Consumption	Basic: 15 W Max.: 29.5 W (illuminator + heater + PTZ)

Environment

Operating Temperature	−40 °C to + 70 °C (−40 °F to + 158 °F)
Operating Humidity	≤ 95%
Protection	IP67; IK10; TVS 8000V lightning proof; surge protection; voltage transient protection

Structure

Product Dimensions	337.4 mm × Φ209 mm (13.28" × Φ8.23")
Net Weight	5.8 kg (12.79 lb)
Gross Weight	9.4 kg (20.72 lb)

Dimensions (mm[inch])

Φ46.8 [Φ1.84]
337.4 [13.28]
Φ170.8 [Φ6.72]
Φ209.1 [Φ8.23]