# **KBVISION**

## KX-A4111LN-A

4MP Entry IR Fixed-focal Bullet Network Camera

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

- 4-MP 1/2.9" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4 MP (2560 ×1440)@25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED, and the max. illumination distance is 30 m.
- WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict, illegal access.
- Built in Mic.
- 12 VDC/PoE power supply, easy for installation.
- IP67 protection.
- Supports human detection.



	Field of View		2.8 mm: H: 92°; V: 50°; D: 107° 3.6 mm: H: 78°; V: 43°; D: 92°				
	Iris Control	Iris Control		Fixed			
	Close Focus D	Close Focus Distance		2.8 mm: 1.0 m (3.28 ft) 3.6 mm: 1.3 m (4.27 ft)			
		Lens	Detect	Observe	Recognize	Identify	
	DORI Distance	2.8 mm	66.0 m ( 216.54 ft)	26.4 m ( 86.61 ft)	13.2 m ( 43.31 ft)	6.6 m ( 21.65 ft)	
		3.6 mm	76.0 m ( 249.34 ft)	30.4 m ( 99.74 ft)	15.2 m ( 49.87 ft)	7.6 m ( 24.93 ft)	
	Intelligenc	Intelligence					
	Human Detection		Support the classification and accurate detection of human				
	Smart Search		Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos				
	Video	Video					
	Video Compre	Video Compression		H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)			
	Smart Codec	Smart Codec		Smart H.265+; Smart H.264+			
	Video Frame Rate		Main stream: 2560 × 1440@(1–25/30 fps) sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.				



#### **Technical Specification**

Camera			
Image Sensor	1/2.9" CMOS		
Max. Resolution	2560 (H) × 1440 (V)		
ROM	16 MB		
RAM	64 MB		
Scanning System	Progressive		
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s		
Min. Illumination	0.03 lux@F2.0 (Color, 30 IRE) 0.003 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)		
S/N Ratio	> 56 dB		
Illumination Distance	Up to 30 m (98.43 ft)(IR)		
Illuminator On/Off Control	Auto;Manual		
Illuminator Number	1 (IR LED)		
Angle Adjustment	Pan: 0°–360°; Tilt: 0°–90°; Rotation: 0°–360°		
Lens			
Lens Type	Fixed-focal		
Lens Mount	M12		
Focal Length	2.8 mm; 3.6 mm		
Max. Aperture	F2.0		

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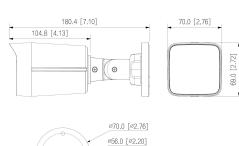
Stream Capability	2 streams
Resolution	4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–4096 kbps H.265: 12 kbps–4096 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto/Manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/180°
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in MIC	Yes, built-in Mic
Audio Compression	G.711a; G.711Mu; PCM; G.726
Alarm	
Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; security exception; SMD (human)
Network	
Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP; P2P
Interoperability	ONVIF (Profile S & Profile T); CGI
User/Host	6 (Total bandwidth: 24 M)
Storage	FTP

IE; Chrome; Firefox

Browser

Mobile Client	iOS;Android			
Cyber Security	Video encryption;Configuration encryption;Digest;WSSE;Account lockout;Security logs;Generation and importing of X.509 certification;HTTPS;Trusted boot;Trusted execution;Trusted upgrade			
Power				
Power Supply	12 VDC/PoE (802.3af)			
Power Consumption	Basic: 1.5 W (12 VDC), 1.9 W (PoE); Max.: 3.5 W (12 VDC), 4.3 W (PoE) (H.265 + intelligence on + WDR+ IR intensity)			
Environment				
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)			
Operating Humidity	≤95%(RH), non-condensing			
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)			
Storage Humidity	≤95%(RH), non-condensing			
Protection	IP67			
Structure				
Casing Material	Metal + Plastic			
Product Dimensions	180.4 mm × 70 mm × 70 mm (7.10" × 2.76" × 2.76") (L × W × H)			
Net Weight	0.29 kg (0.63 lb)			
Gross Weight	0.40 kg (0.88 lb)			

#### Dimensions (mm[inch])



3-04.5 [00.18]

mm [inch]