

# KX-A2013WN-A

## 2 MP IR Fixed-focal WiFi 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.



- 2-MP 1/2.8" CMOS image sensor, low luminance, and high-definition image.
- Outputs max. 2 MP (1920 × 1080) @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.
- SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- DWDR, 3D NR, BLC, digital watermarking, applicable to various monitoring scenes.
- Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access.
- Built-in dual-antenna 2.4G Wi-Fi that covers a range of up to 150 m in an open area.
- Supports max.256 G Micro SD card. Built-in MIC and speaker.
- 12 VDC power supply.
- IP67 protection



Camera	
Image Sensor	1/2.8" CMOS
Max. Resolution	1920 (H) × 1080 (V)
ROM	16 MB
RAM	64 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.025 lux@F2.0 (Color, 30 IRE) 0.0025 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	30 m (98.43 ft)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	1 (IR LED)
Pan/Tilt/Rotation Range	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
Field of View	2.8 mm: Horizontal: 100°; Vertical: 53°; Diagonal: 120° 3.6 mm: Horizontal: 86°; Vertical: 43°; Diagonal: 102°
Iris Control	Fixed

Close Focus Distance	2.8 mm: 0.6 m (1.97 ft) 3.6 mm: 1.0 m (3.28 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	46.9 m (153.87 ft)	18.8 m (61.68 ft)	9.4 m (30.84 ft)	4.7 m (15.42 ft)
	3.6mm	58.8 m (192.91 ft)	23.5 m (77.10 ft)	11.8 m (38.71 ft)	5.9 m (19.36 ft)
Video					
Video Compression	H.264B; H.264; H.264H; H.265				
Smart Codec	Smart H.265+; Smart H.264+				
Video Frame Rate	Main stream: 1920 × 1080 (1–25/30 fps) Sub stream: 640 × 480@(1–25 fps) 640 × 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.				
Stream Capability	2 streams				
Resolution	1080p (1920 × 1080); 960p (1280 × 960); 720p (1280 × 720)				
Bit Rate Control	CBR/VBR				
Video Bit Rate	H264: 24 kbps–4096 kbps H265: 9 kbps–4096 kbps				
Day/Night	Auto (ICR)/Color/B/W				
BLC	Yes				
WDR	DWDR				
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom				
Gain Control	Auto				
Noise Reduction	3D NR				

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Motion Detection	1024 kbps (1080p)
Smart Illumination	Yes
Image Rotation	0°/180°
Mirror	Yes
<b>Audio</b>	
Built-in MIC	Yes
Built-in Speaker	Yes
Audio Compression	G.711a; G.711Mu
<b>Alarm</b>	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; intensity change; SMD (human)
<b>Network</b>	
Network Port	RJ-45 (10/100 Base-T)
Wi-Fi	IEEE802.11b/g/n 2.4–2.4835 GHz; 2.4 G
Wireless Range	Up to 150 m (The performance varies based on actual environment)
SDK and API	Yes
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
Network Protocol	IPv4; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; DHCP; DNS; NTP; Multicast; RTMP
Interoperability	ONVIF (Profile S/Profile T); CGI; P2P
User/Host	6 (Total bandwidth: 36 M)
Storage	Micro SD card (support max. 256 GB)
Browser	IE Chrome Firefox
Management Software	KBiVMS, KBView Plus
Mobile Client	iOS; Android

<b>Power</b>	
Power Supply	12 VDC
Power Consumption	Basic: 2.2 W (12 VDC) Max. (H.265+IR intensity): 6.21 W (12 VDC)
<b>Environment</b>	
Operating Temperature	-30 °C to +50 °C (-22 °F to +122 °F)
Operating Humidity	≤ 95%
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Protection	IP67
<b>Structure</b>	
Casing	Front cover: Plastic Rear: Plastic Bracket: Metal
Product Dimensions	180 mm × 83.3 mm × 114.8 mm (7.09" × 3.28" × 4.52")
Net Weight	350.1 g (0.77 lb)
Gross Weight	588.1 g (1.30 lb)
<b>Dimensions (mm[inch])</b>	

