

# KX-AF5016WPN-AL

## 5MP Full-color Network PT 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" 5Megapixel STARVIS™ CMOS.
- Max. 20 fps@5MP.
- Human detection.
- Tripwire, intrusion.
- H.265 encoding.
- Wi-Fi.
- Two-way audio.
- Sound and light alarm.
- IR and white light, three night view modes.
- IP66.



Camera				
Image Sensor	1/2.8" CMOS			
Pixel	5 MP			
Max. Resolution	2560 (H) × 1920 (V)			
ROM	128 MB			
RAM	128 MB			
Electronic Shutter Speed	1/3 s–1/100,000 s			
Scanning System	Progressive			
Min. Illumination	Color: 0.005 lux@F2.0 B/W: 0.0005 lux@F2.0 0 lux (IR/white light on)			
Illumination Distance	30 m (98.42 ft) (IR) 30 m (98.42 ft) (white light)			
Illuminator On/Off Control	Manual; auto; off			
Illuminator Number	2 (IR light) 2 (White light)			
Lens				
Focal Length	4.0 mm			
Max. Aperture	F2.0			
Field of View	H: 80.4° V: 58.1° D: 104.8°			
Close Focus Distance	0.3 m (0.98 ft)			
Iris Control	Fixed			
DORI Distance	Detect	Observe	Recognize	Identify
	77.4 m (253.94 ft)	31.0 m (101.71 ft)	15.5 m (50.85 ft)	7.74 m (25.39 ft)
PTZ				
Pan/Tilt Range	Pan: 0°–345° Tilt: 0°–80°			

Manual Control Speed	Pan: 0.1°–74°/s Tilt: 0.1°–36.4°/s
Preset Speed	Pan: 62°/s Tilt: 36.3°/s
Preset	300
Power-off Memory	Yes
Idle Motion	Preset
Smart Event	
IVS	Tripwire; intrusion
Human Detection	Yes
Active Deterrence	
Light Warning	White light warning Flash duration: 5 s–30 s Flash frequency: high, medium, low
Sound Warning	Sound warning alarm: Customizable Alarm duration: 10 s, 20 s, 30 s
Video	
Video Compression	H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream); Smart H.264+
Streaming Capability	2 streams
Resolution	5M (2560 × 1920); 4M (2560 × 1440); 1080P (1920 × 1080); 960P(1280x960); 720P (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
Video Frame Rate	Main stream: 5M(1–20 fps),4M/1080p/1.3M/720p (1–25/30 fps) Sub stream: D1/CIF (1–25/30 fps)
Bit Rate Control	CBR/VBR
Video Bit Rate	H264: 512–8192 kbps H265: 233–7680 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
WDR	DWDR
HLC	Yes

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White Balance	Auto; manual; tracking; indoor; outdoor; sodium lamp; street lamp; natural light
Gain Control	Auto; manual
Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Image Rotation	180°
S/N Ratio	≥ 55 dB
<b>Audio</b>	
Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1
<b>Network</b>	
Network Port	RJ-45 (10/100 Base-T)
Wi-Fi	Yes
Wi-Fi-Wireless Standard	802.11n; IEEE802.11b; 802.11g
Wi-Fi-Wireless Frequency Range	2.4 GHz
Wi-Fi-Wireless Transmission Rate	150 Mbps
Network Protocol	UDP; FTP; RTMP; IPv6; IPv4; IP Filter; DNS; RTCP; HTTP; NTP; SSL; DHCP; RTP; SMTP; HTTPS; TCP/IP; RTSP; DDNS; ARP
Interoperability	RTMP; CGI; SDK; ONVIF (Profile S&T); P2P
Streaming Method	Unicast/Multicast
User/Host	20
Storage	Micro SD card (support max. 512 GB); FTP
Browser	IE: IE 7 and later versions; Chrome; Firefox; Safari
Management Software	KBiVMS, KBView Plus

Mobile Client	iOS; Android
<b>Port</b>	
Audio Input	1 channel (built-in mic)
Audio Output	1 channel (built-in speaker)
Two-way Audio	Yes
Alarm Linkage	Capture; preset; recording; audio; sending email
Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection; power exception detection
Audio I/O	1/1
<b>Power</b>	
Power Supply	12 VDC/1.5 A±10%
Power Consumption	Basic: 3.5 W Max.: 11 W (illuminator)
<b>Environment</b>	
Operating Temperature	-30 °C to +55 °C (-22 °F to +131 °F)
Operating Humidity	≤ 95%
Protection	IP66, TVS 2000 V lightning proof; surge protection; voltage transient protection
<b>Structure</b>	
Product Dimensions	140.5 mm × Φ111.0 mm (5.53" × Φ4.45")
Net Weight	0.5 kg (1.10 lb)
Gross Weight	1 kg (2.20 lb)