

# KX - 2015FRSN

2MP Night Breaker Face Recognition Box AI Network Camera



- 1/1.9" 2.0 Megapixel progressive scan CMOS
- H.265&H.264 triple-stream encoding
- 50/60fps@1080P(1920×1080)
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC,BLC
- Auto back focus(ABF)
- Micro SD memory, PoE
- Support face capture, face attributes, face recognition



## Technical Specification

Camera	
Image Sensor	1/1.9" 2Megapixel progressive scan CMOS
Effective Pixels	1920(H) x 1080(V)
RAM/ROM	2048MB/ 4096MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.001Lux/F1.2(Color,1/3s,30IRE) 0.01Lux/F1.2(Color,1/30s,30IRE) 0.0005Lux/F1.2(B/W,1/3s,30IRE) 0.005Lux/F1.2(B/W,1/30s,30IRE)
S/N Ratio	More than 50dB
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A

Lens	
Lens Type	N/A
Mount Type	C/CS
Focal Length	N/A
Max. Aperture	N/A
Angle of View	N/A
Optical Zoom	N/A
Focus Control	N/A
Close Focus Distance	N/A

Pan/Tilt/Rotation	
Pan/Tilt/Rotation Range	N/A

Artificial Intelligence	
Face Capture	Support face image capture
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression(Jolly, Calm, Surprise, Sad, Rage), Glasses, Mouth Mask, Moustache
Face Recognition	Support face images matching, support up to 10000 face images and 5 image libraries management;

General Intelligence	
Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly
General Intelligence	Tripwire, Intrusion, Object Abandoned/Missing, People Counting, Heat Map

Video	
Compression	H.265/H.264(Sub Stream)
Smart Codec	Support H.265+/H.264+
Streaming Capability	3 Streams
Resolution	1080P(1920×1080)/ 1.3M(1280×960)/ 720P(1280×720)/ D1(704×576/704×480)/ VGA(640×480)
Frame Rate	Main Stream: 1080P(1~50/60fps) Sub Stream: D1 (1 ~ 50/60fps) Third Stream: 1080P(1~50/60fps)

Bit Rate Control	CBR/VBR
Bit Rate	H.264: 24~ 10240Kbps H.265: 14~ 6144Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB)/ SSA
White Balance	Auto/ Natural/ Street Lamp/ Outdoor/ Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization (EIS)	Support
Smart IR	N/A
Defog	Support
Digital Zoom	16x
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio	
Compression	G.711a/ G.711Mu/ AAC/ G.726

Network	
Ethernet	RJ-45 (100/1000Base-T)
Protocol	HTTP;HTTPS;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP; FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP; NTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP;S NMP;TLS
Interoperability	ONVIF Profile S&G, API
Streaming Method	Unicast / Multicast
Max. User Access	10 Users/20 Users
Edge Storage	NAS Local PC for instant recording Micro SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	KBiVMS, KBCloud, KBView Pro
Smart Phone	IOS, Android

Interface	
Video Interface	1 port(BNC,1Vp-p,75Ω)
Audio Interface	2/1 channel In/Out, 1 Built-in Mic
RS485	1 port
Alarm	2 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC
Power Out	165mA 12VDC

## KX - 2015FRSN

2MP Night Breaker Face Recognition Box AI Network Camera

### Electrical

Power Supply	DC12V, AC24V, PoE(802.3af)(Class 0)
Power Consumption	< 10W

### Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	N/A
Vandal Resistance	N/A

### Construction

Casing	Metal
Dimensions	161.6mm×85.5mm×74.0mm (6.36"×3.37"×2.91")
Net Weight	0.78Kg (1.72lb)
Gross Weight	0.92Kg (2.03lb)

### Dimensions (mm/inch)

