JBF-AS-2MP-PTZ-2

2MP 32x Starlight IR Network PTZ Camera





Launched by JBF Technology, is a AI product and solution that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on JBF's advanced technologies, provides intelligent, simple and inclusive products and solutions.

System Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, this camera provides an all-in-one solution for capturing long distance video surveillance for outdoor applications. Together with infrared illumination and Starlight Technology, the camera is the perfect solution for dark, lowlight applications. The series combines a day/night mechanical IR cut filter for the highest image quality in variable lighting conditions during the day, and True WDR for applications with direct sunlight or glare.

Functions

Perimeter Protection

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets to improve alarm accuracy.

Starlight+ Technology

For challenging low-light applications, JBF's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

PFA Technology

PFA technology has innovatively introduced new methods of judgment to ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms. PFA ensures clarity of the image throughout the process of zooming and shortens focus time. The realization of PFA technology substantially improves user experience and increases product value.

- · 1/2.8" 2Megapixel STARVIS™ CMOS
- · Powerful 32x optical zoom
- · Max. 50/60 fps@2M
- · IR distance up to 150m
- · Deep-learning-based auto tracking and perimeter protection
- · SMD PLUS
- · PoE+
- · IP67, IK10
- · Face Detection
- · IP Address locking system, after several (customizable) number of wrong access
- · User access log cannot be deleted by reset
- · Request function to create or change password at first login
- · Micro SD memory (encryption AES128 or AES256)











SMD PLUS

With Deep-Learning Algorithm, JBF SMD PLUS filters the motion detection alarm triggered by non-concerned target and recognizes human and vehicle effectively, sending alarms when human and vehicles intrude.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Auto-tracking

This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action can be triggered manually or automatically by defined rules. Once a rule is triggered, the camera can zoom in and track the defined target automatically.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Camera 12.8° CVGS Face Reference (and a particle processor) False atams caused by animals, routing beave, folight rights atams (and a particle part	Technical Specification		IVS (Perimeter Protection)		
Precision 2 Mile	Camera				
Max. Resolution	Image Sensor	1/2.8" CMOS		Face Detection	Yes
ROM	Pixel	2 MP		Auto Tracking	Yes
RAM	Max. Resolution	1920 (H) × 1080 (V)		SMD PLUS	Yes
Sectronic Shutter Speed 2/1 - 1/30,000 s Streaming Capability 3	ROM	4 GB		Video	
Screaming System	RAM	1 GB		Video Compression	
Resolution Progressive Progressive Color to OoS buck@£1.6 SW 0.0005 buck@£1.6 Obus of high row of the plant of	Electronic Shutter Speed	1/1 s-1/30,000 s		Streaming Capability	
Min. Illumination BVV 00005 laught 1.6 Disc (in light only 0.0005 laught 1.6 Disc (in light 0.0005 laugh 1.6 Disc (in light 0.0005 laugh 1.6 Disc (in light 0.0005 l	Scanning System	Progressive	Progressive		1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 ×
Humination Distance 150 m (492.13 tt) (18) Sub stream 7: 2M/1.1M/7/20p (1-2x/30 fps) Huminator Con/Off Control 700m Price Manual; SmartIR Video Bit Rate M-264:3 kbp-20480 kbps Huminator Number 4 (48) Video Bit Rate H-264:3 kbp-20480 kbps Hours	Min. Illumination	B/W: 0.0005 lux@F1.6			Main stream: 2M/1.3M/720p (1–50/60 fps)
	Illumination Distance	150 m (492.13 ft) (IR)			
Lens	Illuminator On/Off Control	Zoom Prio; Manual; SmartIR		Bit Rate Control	CBR; VBR
Second S	Illuminator Number	4 (IR)		Video Bit Rate	
Max. Aperture	Lens			Day/Night	Auto (ICR); Color; B/W
Field of View	Focal Length	4.9 mm-156 mm		BLC	Yes
Optical Zoom 32× Focus Control Auto; Semi-auto; Manual Gain Control Auto; Manual Gain Control Gain Gain Gain Control Gain Gain Gain Gain Gain Gain Gain Gain	Max. Aperture	F1.35–F4.4		WDR	120 dB
Focus Control Auto; Semi-auto; Manual Close Focus Distance 1.0 m-1-5m DORI Distance Detect Observe Recognize Identify 2_152 m 850 m 430 m 215 m (6,968.50 ft) (2,752.62 ft) (1,394.36 ft) (695.54 ft) PTZ Pan/Tilk Range Pan: 0° to 360° endless Tilt:—105° to +105°, auto flip 180° Tilt: 0.1°-200′/s Preset Speed Pan: 400′/s; Tilt: 400′/s Preset 300 Four 8 (up to 32 presets per tour) Pattern 5 Scan 5 Network Power-off Memory Ves Support human, motor vehicle and non-motor vehicle Smart Canture Support human, motor vehicle and non-motor vehicle Smart Canture Support human, motor vehicle Smart Canture Support human, motor vehicle Sign Control Auto; Manual Preset (Rol) Yes Region of Interest (Rol) Yes Preset Region of Interest (Rol) Yes Image Rotation EIS Defog Electronic Digital Zoom 16x Image Rotation 180° Privacy Masking Up to 24 areas can be set, with up to 8 areas in the same view Sy/N Ratio 2 55 dB Audio Audio Audio Audio Compression G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G729 Network Protocol Privacy Masking Audio Compression G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G729 ONS, DRAS; IPP, UPP, P.D.P., DRAS; P.D.P., SMTP, NTP, DH.C.P., DNS, DRAS; IPP, UPP, SMTP, NTP, DH.C.P., DNS, DRAS; IPP, UPP, SMTP, NTP, DH.C.P., DNS, DRAS; IPP, UPP, ICMP; SNMP; SNMP; J.Y.Q.P.Y. (MB-2); IGMP; ARP, RTCP, RTP, PPPOE; RTMP, TCP ONS, DRAS; IGMP v.M.y.Q.P.Y. (MB-2); IGMP; ARP, RTCP, RTP, PPPOE; RTMP, TCP ONVIF Version 21.06 rev. 6999, Profile S, Profile T, Profile G	Field of View	H: 62.8°-2.2°; V: 36.7°-1.3°; D: 69.2°-2.6°		HLC	Yes
Close Focus Distance 1.0 m-1.5m Iris Control Auto; Manual Detect Observe Recognize Identify 2.15.2m 850 m 430 m 215 m (6,968.50 ft) (2,752.62 ft) (1,394.36 ft) (695.54 ft) PTZ Pan/Tilt Range Pan: 0° to 360° endless Tilt: -105° to +105°, auto flip 180° Preset Speed Pan: 00°/s; Tilt: 400°/s Preset 300 Tour 8 (up to 32 presets per tour) Pattern 5 Scan 5 Power-off Memory Yes Irid Motion Detection Yes Motion Detection Yes Region of Interest (RoI) Yes Image Stabilization EI5 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 255 dB Audio Audio Audio Compression G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 Network Network Port RJ-45 (10/100 Base-T) Intelligence ONVIF Version 2.1.06 rev. 6999, Profile S, Profile T, Profile G		32×		White Balance	
Noise Reduction Auto; Manual Detect Observe Recognize Identify 2,15 m 6,968.50 ft) (2,752.62 ft) (1,394.36 ft) (695.54 ft) Image Stabilization EIS				Gain Control	Auto; Manual
Detect Observe Recognize Identify 2,152 m 850 m 430 m 215 m (6,968.50 ft) (2,752.62 ft) (1,394.36 ft) (695.54 ft) PTZ Pan/Tilt Range Pan: 0° to 360° endless Tilt: -105° to +105°, auto flip 180° Manual Control Speed Pan: 01°-300'/s Tilt: 01°-200'/s Preset Speed Pan: 400°/s; Tilt: 400°/s Preset Speed Pan: 400°/s; Tilt: 400°/s Preset 300 Pattern 5 Support Internation Seed Pan: 400°/s Tilt: 01°-200'/s Preset 300 Pattern 5 Support Preset Speed Pan: 400°/s; Tilt: 400°/s Preset 300 Audio Audio Audio Petternation Seed Pan: 400°/s Tilt: 01°-200°/s Prower-off Memory Yes Network Port RJ-45 (10/100 Base-T) Idle Motion Preset; Pattern; Tour; Scan DH-5D Pelco-P/D (Auto recognition) Ptz Protocol DH-5D Pelco-P/D (Auto recognition) Intelligence Support human, motor vehicle and non-motor vehicle Motion Detection Yes Region of interest (Rol) Yes Region of interest (Rol) Yes Image Stabilization EIS Defog Electronic Defog Electronic Inage Rotation 180° Inage Rotation 180° Inage Rotation 280° Audio 255 dB Audio 255 dB Audio Audio Audio Compression G.711a; G.711Mu; G.726; MPEG2-Layer2; G.722.1; G.723 Network Port RJ-45 (10/100 Base-T) Intelligence ONVIF Pelco-P/D (Auto recognition) Intelligence Support human, motor vehicle and non-motor vehicle				Noise Reduction	2D NR; 3D NR
DORI Distance 2,152 m 850 m 430 m (6,968.50 ft) (2,752.62 ft) (1,394.36 ft) (695.54 ft) PTZ Pan/Tilt Range Pan: 0* to 360* endless Tilt: -105* to +105*, auto flip 180* Manual Control Speed Pan: 0.1*-300*/s Tilt: 0.1*-200*/s Preset Speed Pan: 400*/s; Tilt: 400*/s Preset 300 Pattern 5 Audio Audio Compression 5 Network Power-off Memory Ves Inage Rotation Audio Compression 6.711a; 6.711Mu; 6.726; MPEG2-Layer2; G722.1; G729; G723 Network Network Protocol DH-SD Pelco-P/D (Auto recognition) Inage Rotation 180* Image Rotation 180* Image Rotation 180* Image Rotation 180* Audio Audio G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 Network Network Network Network Protocol DH-SD Pelco-P/D (Auto recognition) Intelligence ONVIF Version 21.06 rev. 6999, Profile S, Profile T, Profile G	Iris Control			Motion Detection	Yes
PTZ Defog Electronic	DORI Distance			Region of Interest (RoI)	Yes
Pan/Tilt Range Pan: 0° to 360° endless Tilt: -105° to +105°, auto flip 180° Manual Control Speed Pan: 0.1°-300°/s Tilt: 0.1°-200°/s Preset Speed Pan: 400°/s; Tilt: 400°/s Preset 300 Preset 300 S/N Ratio S/N Ratio S/N Ratio S/S Ratio S/S Ratio S/S Ratio Audio Audio Pattern S Scan S Network Power-off Memory Yes Network Port RJ-45 (10/100 Base-T) HTTP; HTTPS; IPV4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPOS; BOX.1x; QoS; FTP; UPP; ICMP; DNS; DDNS; IPOS; BOX.1x; QoS; FTP; UPPP; ICMP; DNS; DDNS; IPOS; BOX.1x; QoS; TTP; UPPP; ICMP; DNS; DNS; BOX.1x; QoS; TTP; UPPP; ICMP; PPPOE; RTMP; TCP Intelligence ONVIF Version 21.06 rev. 6999, Profile 5, Profile T, Profile G				Image Stabilization	EIS
Pany litt Range Tilt: −105° to +105°, auto flip 180° Manual Control Speed Pan: 0.1°-300°/s Tilt: 0.1°-200°/s Preset Speed Pan: 400°/s; Tilt: 400°/s Preset 300 S/N Ratio S/N Ratio Audio Audio Pattern S Audio Compression S(711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 Scan S Network Power-off Memory Yes Network Network Port RJ-45 (10/100 Base-T) HTTP; HTTPS; IPV4; RTSP; UDP; SMTP; NTP; DHCP; SMP; SMDN; IPV6; 802.1x; QoS; FTP; UPnP; ICMP; SMP; SMP Y1/Vzc/N3 (MIB-2); IGMP; ARP; RTCP; RTP; PPPGE; RTMP; TCP Intelligence Smart Capture Support human, motor vehicle and non-motor vehicle Smart Capture Support human, motor vehicle and non-motor vehicle	PTZ			Defog	Electronic
Tilt: 0.1°–200°/s Preset Speed Pan: 400°/s; Tilt: 400°/s Preset 300 S/N Ratio ≥ 55 dB Tour 8 (up to 32 presets per tour) Audio Audio Compression Frewer-off Memory Yes Network Network Power-off Memory Idle Motion Preset; Pattern; Tour; Scan DH-SD Pelco-P/D (Auto recognition) Intelligence Smart Capture Support human, motor vehicle and non-motor vehicle Privacy Masking Privacy Masking Up to 24 areas can be set, with up to 8 areas in the same view S/N Ratio ≥ 55 dB Audio G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G729; G729 G729; G723 Network Network Network Network Protocol Network Protocol Network Protocol Network Protocol Network Protocol Smart Capture Support human, motor vehicle and non-motor vehicle	Pan/Tilt Range			Digital Zoom	16×
Preset Speed Pan: 400°/s; Tilt: 400°/s Preset 300 S/N Ratio ≥ 55 dB Tour 8 (up to 32 presets per tour) Audio Pattern 5 Audio Compression Forework Power-off Memory Yes Network Power-off Memory Idle Motion Preset; Pattern; Tour; Scan DH-SD Pelco-P/D (Auto recognition) Intelligence Privacy Masking Up to 24 areas can be set, with up to 8 areas in the same view SynRatio ≥ 5 dB Audio G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 Network RJ-45 (10/100 Base-T) HTTP; HTTPS; IPV4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DNS; IPV6; 802.1x; QoS; FTP; UPnP; ICMP; SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTCP; RTP; PPPOE; RTMP; TCP Intelligence Smart Capture Support human, motor vehicle and non-motor vehicle	Manual Control Speed			Image Rotation	180°
Tour 8 (up to 32 presets per tour) Audio Audio Compression G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 Scan 5 Network Power-off Memory Yes Network Port Idle Motion Preset; Pattern; Tour; Scan DH-SD Pelco-P/D (Auto recognition) Intelligence ONVIF Audio Compression G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 HTM; G.726; MPEG2-Layer2; G722.1; G729; G723 Network RJ-45 (10/100 Base-T) HTTP; HTTPS; IPV4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPV6; 802.1x; QoS; FTP; UPnP; ICMP; SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTCP; RTP; PPPOE; RTMP; TCP ONVIF Version 21.06 rev. 6999, Profile S, Profile T, Profile G	Preset Speed			Privacy Masking	
Pattern 5 Audio Compression G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 Scan 5 Network Power-off Memory Yes Network Port RJ-45 (10/100 Base-T) Idle Motion Preset; Pattern; Tour; Scan HTTP; HTTPS; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; 802.1x; QoS; FTP; UPnP; ICMP; SNMP; SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTCP; RTP; PPOE; RTMP; TCP Intelligence ONVIF Version 21.06 rev. 6999, Profile S, Profile T, Profile G	Preset	300		S/N Ratio	≥ 55 dB
Scan 5 Network Power-off Memory Yes Network Port RJ-45 (10/100 Base-T) Idle Motion Preset; Pattern; Tour; Scan HTTP; HTTPS; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; 802.1x; QoS; FTP; UPnP; ICMP; SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTCP; RTP; PPOE; RTMP; TCP Intelligence ONVIF Version 21.06 rev. 6999, Profile S, Profile T, Profile G	Tour	8 (up to 32 presets per tour)		Audio	
Scan 5 Network Power-off Memory Yes Network Port RJ-45 (10/100 Base-T) Idle Motion Preset; Pattern; Tour; Scan HTTP; HTTPS; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; 802.1x; QoS; FTP; UPnP; ICMP; SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTCP; RTP; PPOE; RTMP; TCP Intelligence ONVIF Version 21.06 rev. 6999, Profile S, Profile T, Profile G Smart Capture	Pattern	5		Audio Compression	
Idle Motion Preset; Pattern; Tour; Scan PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Preset; Pattern; Tour; Scan Network Protocol Network Protocol Network Protocol PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Network Protocol No.: DNS; DDNS; IPv6; 802.1x; QoS; FTP; UPnP; ICMP; SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTCP; RTP; PPPOE; RTMP; TCP Version 21.06 rev. 6999, Profile S, Profile T, Profile G Smart Capture	Scan	5		Network	0,25, 0,25
PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Network Protocol Notice Protocol Network Protocol Notice Protocol Network Protocol Notice Protocol Network Protocol Network Protocol Notice Protocol Network Protocol Network Protocol Network Protocol Notice Protocol Network Protocol Network Protocol Notice Protocol	Power-off Memory	Yes			RJ-45 (10/100 Base-T)
PTZ Protocol DH-SD Pelco-P/D (Auto recognition) PTZ Protocol DNS; DDNS; IPv6; 802.1x; QoS; FTP; UPnP; ICMP; SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTCP; RTP; PPPoE; RTMP; TCP Intelligence ONVIF Version 21.06 rev. 6999, Profile S, Profile T, Profile G Smart Capture	Idle Motion	Preset; Pattern; Tour; Scan			
Smart Canture Support human, motor vehicle and non-motor vehicle	PTZ Protocol			Network Protocol	SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTCP; RTP;
	Intelligence			ONVIF	Version 21.06 rev. 6999, Profile S, Profile T, Profile G
	Smart Capture			Streaming Method	Unicast; Multicast

Net Weight

Gross Weight

JBF-AS-2MP-PTZ	<u></u> Z		
User/Host	20 (total bandwidth: 64 M)		
Storage	FTP; Micro SD card (512 GB); NAS		
Browser	IE: IE7 and later Chrome: 42 and earlier Firefox: 52 and earlier Safari		
Management Software	JSW		
Certification			
Certifications	CE-LVD: EN 62368-1 CE-EMC: EN55032: 2015/EN61000-3-2; 2019/ EN61000-3-3: 2013+A1: 2019 /EN50130-4: 2011/A1:2014/EN55024: 2010/A1: 2015/ EN55035: 2017 FCC: CFR 47 FCC Part15, Subpart B		
Port			
Two-way Audio	Yes		
Alarm Linkage	Capture; preset; tour; pattern; recording; triggering on-off value output; 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		
Alarm I/O	2/1		
Audio I/O	1/1		
Power			
Power Supply	24 VAC, 3 A (± 25%) PoE+ (802.3at)		
Power Consumption	Basic: 13 W Max.: 22 W (illuminator + PTZ working)		
Environment			
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)		
Operating Humidity	≤ 95%		
Protection	IP67; IK10; TVS 6000 V lightning proof; surge protection; voltage transient protection		
Structure			
Product Dimensions	331.9 mm × Φ190.4 mm (13.07" × Φ7.50")		

4.7 kg (10.36 lb)

8 kg (17.64 lb)

Accessories

Included:





JBF-AS-FPB5W Wall Mount Bracket

JBF-AS-24V3A Power Adapter

Optional:





JBF-AS-FPASG Mount Adapter

JBF-AS-FPA4 Power Box

JBF-AS-FPB3C Ceiling Mount Bracket





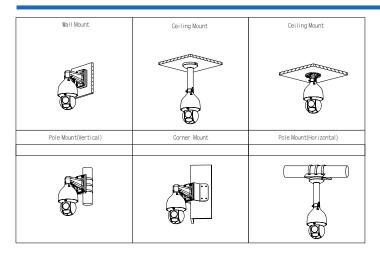
JBF-AS-FPA12 Junction Box

JBF-AS-FPA5 Pole Mount Bracket

JBF-AS-FPA-15 Corner Mount Bracket



JBF-AS-FPB-3 Parapet Mount Bracket



Dimensions (mm[inch])

