

# FI320 | BioUltra Series

## 2MP Professional Facial Recognition Box IP Camera



- 1/2.8" 2MP Sony STARVIS CMOS sensor
- H.265+ triple stream encoding
- Built-in PoE
- An embedded facial recognition algorithm
- The capacity of 2,000 face templates in the camera
- White/Black-list alarm deployment
- Intelligent video analytics available
- Multiple web browsers supported
- Remote viewing with mobile application or VMS
- Metal casing

### System Overview

The BioUltra series of 2MP Starlight Facial Recognition Cameras offers computer vision technology at the edge-performing complex real-time facial recognition and facial feature comparison without the need for an external face database.

With the embedded facial recognition algorithm, cameras of the BioUltra series could accurately capture and compare the acquired face data with face templates stored in the database. The series also supports White/Black-list event alarm deployment in different scenarios.

Meanwhile, benefited from the outstanding Sony STARVIS sensor and ISP optimization, it's capable of balancing light throughout the scene and promising crystal-clear images in dark environments.

BioUltra series also supports multiple industry-leading Intelligent video analytic functions, such as Face Detection, Line Crossing, Intrusion, Object Left/Lost, Counting, for smart event alarms.

The cloud function is built-in for every device, which is more convenient and flexible for remote real-time viewing.

BioUltra series IP cameras also support registration of face templates remotely from the mobile Application AntarView Pro which provides excellent and convenient user experience.

### Functions

#### H.265

H.265+ technology is an evolutionary optimization of H.265 and the traditional H.264. It includes a series of encoding strategies such as dynamic ROI, smart 2D&3D noise reduction for delivering high-quality videos, and significantly saving up to 70% bandwidth and storage.

#### Protection

With its precise mechanical and rugged metal casing design, IP cameras of the BioPro series rated IP67 could stand against water and dust for a long time.

With 10% of input voltage tolerance, the cameras could work safely under extreme or unstable power conditions.

With a working temperature range from -30°C to 60°C, the cameras could adapt to a variety of harsh outdoor environments.

## Technical Parameters

### Camera

Model	FI320	Flash / DDR	1Gb / 4Gb
Image Sensor	1/2.8" Sony Starvis CMOS	IR LED No.	N/A
Effective Pixels	1920*1080	IR Distance	N/A
Min. Illumination	Color: 0.001Lux@F1.7 (AGC ON)	S/N Ratio	>52dB

### Lens

Lens Type	Independent	Aperture	N/A
Mount Type	C/CS	FOV	N/A
Focal Length	N/A	Optical Zoom	N/A

### Video

Compression	H.265+ / H.265 / H.264	WDR	TWDR
Resolution	1080P(1920 * 1080) / 1.3MP (1280 * 960) / 720P (1280 * 720) Q720P (640 * 360) / CIF (352 * 288)	Day / Night	Support
Bitrate Control	CBR / VBR	White Balance	Support
Bitrate	H.265+: 1536Kbps - 7Mbps H.265: 1536Kbps - 7Mbps H.264: 1792Kbps - 9Mbps	Defog	Support
Multi-Streaming	Main Stream: 1080P@25fps	Noise Reduction	2D/3D DNR
	Sub Stream: Q720P@25fps	Mirror/Flip	Support
	N/A	Corridor Mode	Support
Motion Detection	Support	HLC	Support
Digital Zoom	Support	BLC	Support
Audio Compression	G7.11u	ROI	4 areas
Privacy Mask	5 areas	Anti-flicker	Support

### IVA

Intelligent Video	Facial Recognition / Line Crossing / Intrusion / Object Left / Lost / Counting / Video Shelter / Scene change / Audio Detection / Fire Detection / VQD
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### Facial Recognition

Face Templates	3,000	Face Quality Filtering	Support
Face Detected per Frame	30	Detection Area	User-defined
Detected Face Size	60x60 ~ 300x300 Pixels	Capture Response	≤1s

Network			
Protocol	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP, PPPoE, UPnP, SMTP	Management Software (VMS)	AntarVis 2.0 ZKBioSecurity IVS BioAccess IVS
Interoperability	ONVIF Profile S, SDK, API	Operation System	Windows
Max. Online Users	5	Mobile APP	AntarView Pro
Web Browser	IE / Firefox / Chrome / Safari	P2P Cloud Service	Support

Note: Video streaming is not available for Firefox/Chrome/Safari.

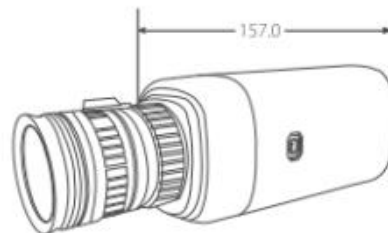
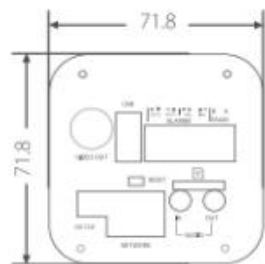
Interface			
Ethernet	1 RJ-45 port (10/100Mbps)	Reset Button	Support
Audio I/O	1 / 1	Micro-SD Slot	Max 128GB
Alarm I/O	2 / 2	ANR	Support
RS485	Support	USB	Support

General			
Power Supply	PoE (IEEE802.3af), DC12±10%	Working Temperature	-30°C ~ 60°C
Power Consumption	<3W	Working Humidity	10% ~ 90%
Ingress Protection	IP67	Net Weight	0.80kg
Dimensions (L*W*H)	157 * 71.8 * 71.8 (mm)	Gross Weight	0.90kg

## Order Information

Camera	Model	Description
2MP Camera	FI320	2MP C/CS Lens Facial Recognition Box IP Camera

## Dimensions (mm)



The lens is not included by default.

