

AI Face Recognition Bullet Camera



Application Scenarios

- For park entrances and exits, campuses (attendance), scenic spot accesses, hotel visitor entrances and exits, banks, stations, retail stores, and other sites

Product Introduction:

- With built-in deep learning algorithms and intelligent face algorithms, support front-end facial comparison, allow recognition, tracking, capture, assessment, feature extraction, and identification of moving faces, and output the optimal facial comparison results.
- Support multiple face capture modes: quick capture, preferred capture, face-deduplication capture, etc.
- Support various parameter settings such as face recognition area setting, list management, alarm linkage, and comparison record.
- Supports up to 32 face detections per frame and supports face detection size settings.
- Support the capture and upload of face images and panoramic images, with adjustable image encoding quality.
- Support the management of multiple face databases and support multiple deployment periods.
- Allow blacklist and whitelist comparison, stranger identification, and linkage alarm output.
- Support intelligent exposure mode and wide dynamic range (WDR). Faces are still clearly visible under strong backlight.
- Equipped with a built-in efficient infrared lamp array and ICR infrared filter, support automatic color/black-and-white mode switching to realize uninterrupted capture day and night and feature low power consumption.
- Maximum resolution up to 4 megapixels (2560 × 1440@30fps).
- Lens 2.8–12 mm, aperture F 1.6
- Support ONVIF, GB28181, GA/T1400, MQTT, HTTP, and other protocols.
- Support 1-channel alarm input/output, 1-channel audio input/output, and built-in MIC/speaker.
- Power supply is DC12 V/2A, supports POE (802.3af)

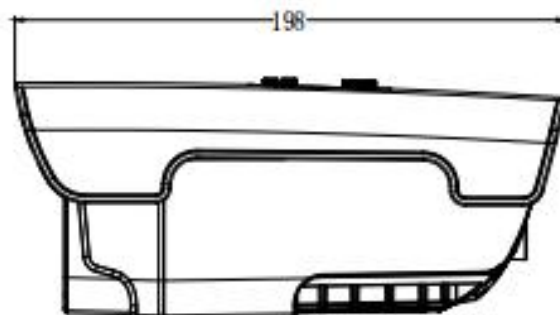
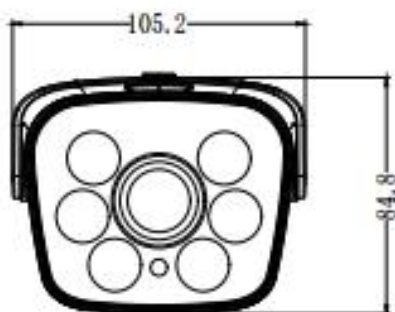
Specifications

Model	I6018B-N40Y-FI-ILP-ZF2812
Mainboard Performance	Computing power: 1.0 Tops; memory: 8 Gbit; flash memory: 8 GB EMMC
Senor Type	1/3"CMOS
Lens	
Lens Type	Electric zooming
FOV	(H)103.4° (W) - 29.3° (T) (V)54.3° (W) - 16.5° (T) (D)124.2° (W) - 33.6° (T)
Aperture	1.6-3.3±10%
Focal Length	2.8 to 12 mm
Auto Focus	Supported
Fill-in Light Characteristics	
Infrared Lamp	Maximum fill-in light distance: 40 meters
White Light Lamp	Maximum fill-in light distance: 10 meters
Image Characteristics	
Image Setting	Brightness, contrast, saturation, sharpness
Minimum Illumination	0.001 Lux (color mode), 0.001 Lux (black-and-white mode), 0 Lux (fill-in light on)
WB	Automatic/Manual
HLC	Supported
BLC	Supported
Noise Reduction	2D/3D digital noise reduction
WDR	Supported
Signal-to-Noise Ratio	≥56db
Gain Control	Auto/Shutter priority/Gain priority/Manual
Coding Characteristics	
Video Compression Standard	H.265, H.264, H.264H, H.264B, MJPEG
Resolution	Stream I: 2560 × 1440, 1920 × 1080, 1280 × 720 Stream II: 960 × 544, 704 × 576, 640 × 360, 320 × 184
Video Standard	PAL(25fps)/NTSC (30fps)
Bitrate Control	CBR/VBR

Default Stream	4096kbps
Bitrate Adjustment Range	30 Kbps to 16 Mbps continuously adjustable for main stream and auxiliary stream
Audio Compression Standard	G.711A,G.711U,G.726
Network Characteristics	
Network Protocol	HTTP, TCP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/v6, UPnP, NTP
Protocol	ONVIF, GB28181, GA/T1400, MQTT, HTTP
Function Features	
General Behavior Analysis	Area intrusion, tripwire intrusion, people counting
Alarm Function	Audible and visual alarm, privacy occlusion alarm, motion detection alarm, network fault alarm, voice broadcast
Recording Mode	Manual recording, video event detection recording, scheduled recording, alarm recording
OSD Information Overlay	Time, channel title, device name (customization supported)
Day/Night Mode	Day and night (scheduled switching, manual switching, and auto switching supported)
Video Mask	4 areas
Mirroring	90°/180° image flip
ROI	Supported
Smart Characteristics	
Detection Type	Face capture and identification, mask detection
Number of Faces	Simultaneous recognition and capture of up to 32 targets
Face Recognition Area	Supported
Human Face Recognition	Face recognition, face frame tracking, preferred capture, quick capture, face deduplication, face enhancement, partial face exposure
Detection Range	Adjustable minimum/maximum recognition target
List Library Capacity	10,000 list libraries and 70,000 capture and identification logs
Image Type	Face image, one-inch photo, panoramic image
Image Format	JPG
Characteristics of Port	

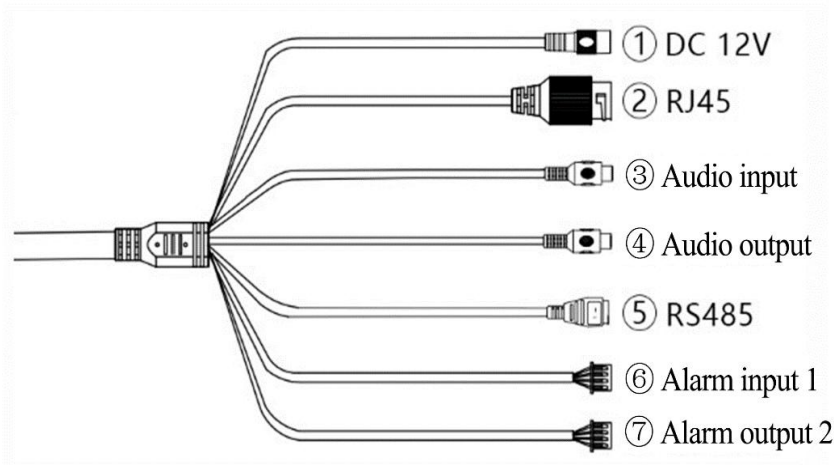
Network Port	1 RJ45 10/100M adaptive Ethernet port
Power Port	DC12V /2A (-15% to +10%)
Alarm Port	1 for input and 1 for output
Audio Port	1-channel audio input/1-channel audio output (RCA connector), built-in MIC/speaker
SD Card Port	Maximum capacity: 256 GB
Reset	Software reset
Physical Characteristics	
Mounting Method	Wall-mounted, ceiling-mounted
Operating Voltage	DC12V /2A (-15% to +10%)\ POE(802.3af)
Power Consumption	<8W
Operating Temperature	-30℃ -+60℃
Operating Humidity	0% to 95% RH (non-condensing)
IP Grade	IP66
Dimensions	198 × 105 × 85 mm
Package Size	276 × 162 × 148mm
Weight	650g

Dimensions



Interfaces

(subject to the interfaces supported by the actual shipping model)



No.	Name	Quantity	Remarks
1	Power supply	1	DC12V/2A
2	RJ45 network	1	Adaptive 10M/100M
3	AUDIO IN	1	Audio input
4	AUDIO OUT	1	Audio output
5	RS485	1	Reserved interface
6	Alarm input	1	GND/ALARM IN1
7	Alarm output	1	ALARM OUT1HALARM OUT1-