

## SIP46B5A/MZ-H

### 6 MP Outdoor IR Varifocal Bullet Camera



The ENS SIP46B5A/MZ-H Outdoor IR Varifocal Bullet Camera provides high definition network output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

The camera is equipped with a 2.8 to 12 mm motorized varifocal lens, and offers an IR range of up to 165 ft (50 m).

Smart features, such as line crossing and intrusion detection are supported.

- **1/2.9" (6 MP) Progressive Scan CMOS**
- **3072 x 2048 Resolution @ 30 fps**
- **EXIR 2.0 Range Up to 165 ft (50 m)**
- **2.8 to 12 mm Motorized Varifocal Lens**
- **H.265+, H.265, H.264+, H.264**
- **120dB True WDR**
- **MicroSD Card Slot Supports 128 GB**
- **IP67 Protection**
- **Durable Metal Housing**
- **12 VDC and PoE+ (802.3at)**

**Available models:**  
SIP46B5A/MZ-H



# Specifications

## SIP46B5A/MZ-H

### Camera

Image Sensor	1/2.9" Progressive Scan CMOS
Minimum Illumination	Color: 0.01 lux @ (f/1.2, AGC on), 0.018 lux @ (f/1.6, AGC on), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day/Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 355°

### Lens

Focal Length	2.8 to 12 mm motorized varifocal lens
Lens Type	Motorized
Aperture	f/1.6
Focus	Auto
FOV	Horizontal FOV: 88° to 27°, vertical FOV: 56° to 18°, diagonal FOV: 110° to 33°
Lens Mount	Ø14

### IR

IR Range	Up to 165 ft (50 m)
Wavelength	850 nm

### Compression Standard

Video Compression	Main stream: H.265+/H.265/H.264+/H.264, sub-stream: H.265+/H.265/H.264+/H.264/MJPEG, third stream: H.265+/H.265/H.264+/H.264
H.264 Type	Main profile/high profile
H.264+	Main stream and sub-stream support
H.265 Type	Main Profile
H.265+	Main stream and sub-stream support
Video Bit Rate	32 Kbps to 16 Mbps

### Smart Features

Behavior Analysis	Line crossing detection, intrusion detection
Exception Detection	Yes
Region of Interest	One fixed region for main stream and sub-stream

### Image

Maximum Resolution	3072 × 2048
Main Stream	20 fps [3072 × 2048, 3072 × 1728, 2944 × 1656], 30fps [2560 × 1440, 1920 × 1080, 1280 × 720]
Sub Stream	30 fps [640 × 480, 640 × 360, 320 × 240]
Third Stream	30 fps [640 × 480, 640 × 360, 320 × 240]
Image Enhancement	BLC/3D DNR
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Target Cropping	No
Day/Night Switching	Day/night/auto/schedule/triggered by alarm in

### Network

Network Storage	MicroSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS/SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
General Function	One-key reset, anti-flicker, 5 streams and up to 5 custom streams, heartbeat, password protection, privacy mask, watermark, and IP address filtering
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+

### Interface

Audio	1 input (line in/mic.in, 3.5 mm), 1 output (line out, 3.5 mm), mono sound, terminal block
Communication Interface	1-port RJ45 10M/100M self-adaptive Ethernet port
Alarm	1 input, 1 output (up to 12 VDC, 30 mA), terminal block
Video Output	1 Vp-p Composite Output(75Ω/BNC)
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
SVC	H.264 and H.265 encoding
Reset Button	Yes

### Audio

Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64 kbps [G.711]/16 kbps [G.722.1]/16 kbps [G.726]/32 to 192 kbps [MP2L2]

### General

Operating Conditions	-22° F to 140° F (-30° C to 60° C); humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, terminal block, PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 1.2 A, maximum 14.5 W; PoE (802.3at, 37 V to 57 V), 0.43 A to 0.3 A, maximum 18 W
Protection Level	IP67
Material	Metal
Dimensions	Ø 4.1" x 11.7" (Ø 105.1 mm x 297.5 mm)
Weight	2.80 lbs (1.285 kg)

## Dimensions

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