

## SG-ZCM8002N

### - 8Mp 2.3x Zoom Mini Network Camera Module



## 1. Features

- > 1/1.8" Sony Exmor CMOS Sensor.
- > Powerful 2.3 x optical zoom (4.4~10.2mm).
- > Max. 8Mp(3840x2160) Resolution
- > Support various IVS functions
- > Support Electronic Defog
- > Excellent very low Distortion rate when zoom.

## 2. Specification

Model		SG-ZCM8002N
Sensor	Image Sensor	1/1.8" Sony Exmor CMOS
	Effective Pixels	Approx. 8.42 Megapixel
	Max. Resolution	3840(H) x 2160(V)
Lens	Focal Length	4.4mm ~ 10.2mm, 2.3x Optical Zoom
	Aperture	F1.4~F2.2
	Close Focus Distance	1m~3m (Wide ~ Tale)
	Angle of View	109°~42°
Video Network	Compression	H.265/H.264
	Storage Capabilities	TF card, up to 128G
	Network Protocol	Onvif, GB28181, HTTP, RTSP, RTP, TCP, UDP

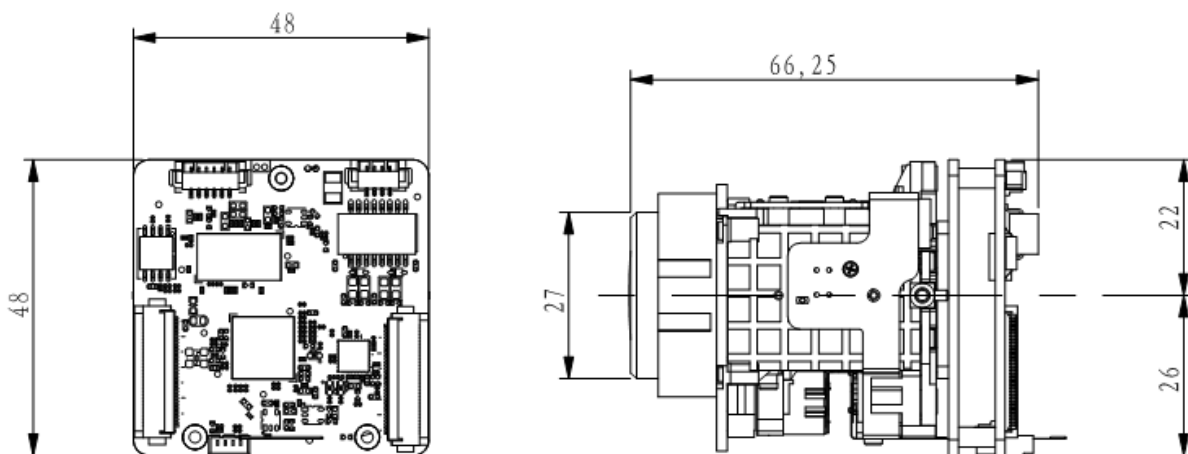
	Smart Alarm	Motion Detection, Cover Alarm, Storage Full Alarm
Resolution		50Hz: 25fps@8Mp(3840×2160) 60Hz: 30fps@8Mp(3840×2160)
IVS		Tripwire, Cross Fence Detection, Intrusion, Abandoned Object, Fast-Moving, Parking Detection, Crowd Gathering Estimation, Missing Object, Loitering Detection.
S/N Ratio		≥55dB (AGC Off, Weight ON)
Minimum Illumination		Color: 0.1Lux/F1.4, Black & White: 0.01/F1.4
EIS		Electronic Image Stabilization (ON/OFF)
Defog		ON/OFF
Exposure Compensation		ON/OFF
Strong Light Suppression		ON/OFF
Day/Night		Auto/Manual
Zoom Speed		Approx 2.5s(Optical Wide-Tele)
White Balance		Auto/Manual/ATW/Indoor/Outdoor/ Outdoor Auto/ Sodium lamp Auto / Sodium lamp
Electronic Shutter Speed		Auto Shutter (1/3s~1/30000s)Manual Shutter (1/3s~1/30000s)
Exposure		Auto/Manual
2D Noise Reduction		Support
3D Noise Reduction		Support
Flip		Support
External Control		RS232
Communication Interface		Compatible with the SONY VISCA Protocol
Focus Mode		Auto/Manual/Semi-automatic
Digital Zoom		4x
Operating Conditions		(-10°C~+60°C/20% to 80%RH)
Storage Conditions		(-20°C~+70°C/20% to 95%RH)
Power Supply		DC 12V±15% (Recommend: 12V)
Power Consumption		Static power: 3.5W, Sports power: 4.5W
Dimensions(L*W*H)		Approx. 66.3mm*48mm*48mm
Weight		Approx. 75g

### 3. Interface Definition:

Type	PIN Number	PIN Name	Description
(1) 4PIN Internet Interface	1	ETHRX-	Internet RX-
	2	ETHRX+	Internet RX+
	3	ETHTX-	Internet TX-
	4	ETHTX+	Internet TX+
(2) 6PIN Power & UART Interface	1	DC_IN	DC12V±10%
	2	GND	GND

	3	RXD1	RS232-RXD(TTL3.3V), Pelco Protocol
	4	TXD1	RS232-TXD(TTL3.3V), Pelco Protocol
	5	RXD0	RS232-RXD(TTL3.3V), Visca Protocol
	6	TXD0	RS232-TXD(TTL3.3V), Visca Protocol
(3) Audio & Video Interface	1	AUDIO_OUT	Audio Out(Line Out)
	2	GND	GND
	3	AUDIO_IN	Audio In(Line In)
	4	GND	GND
	5	VIDEO_OUT	Video Out(CVBS)

#### 4. Dimension



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\*Design and specifications are subject to change without prior notification.  
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