

## SG-ZCM8050NS-O

- 4K/8Megapixel 50x Long Range Zoom NDAA Network Camera Module



### 1. Features

- > 1/1.8" Sony Exmor CMOS Sensor.
- > Powerful 50x optical zoom (6~300mm).
- > Max. 4K/8Mp(3840×2160) Resolution.
- > Support various IVS functions.
- > Support Electronic Defog, and Optical Defog.
- > Support video output from the network port.
- > Support various OSD information overlay.
- > **With SigmaStar high performance chip.**

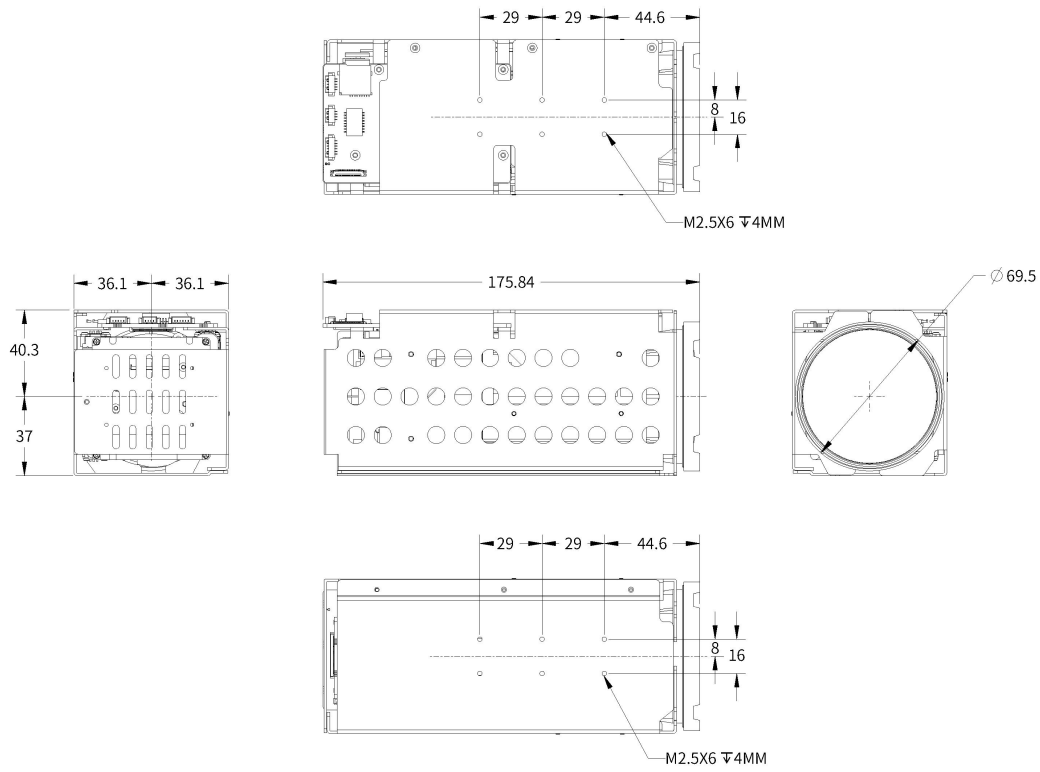
### 2. Specification

Model		SG-ZCM8050NS-O			
Sensor	Image Sensor	1/1.8" Sony Starvis progressive scan CMOS			
	Effective Pixels	Approx. 8.42 Megapixel			
Lens	Focal Length	6mm~300mm, 50x Optical Zoom			
	Aperture	F1.4~F4.5			
	Field of View	H: 65.2°~1.4°, V:39.5°~0.8°, D: 72.5°~1.6°			
	Close Focus Distance	1m~5m (Wide~Tele)			
	Zoom Speed	Approx. 7s (Optical Wide~Tele)			
	DORI Distance (Human)	Detect	Observe	Recognize	Identify
	6,285m	2,494m	1,257m	628m	
Video	Compression	H.265/H.264/H.264H/MJPEG			
	Streaming Capability	3 streams			

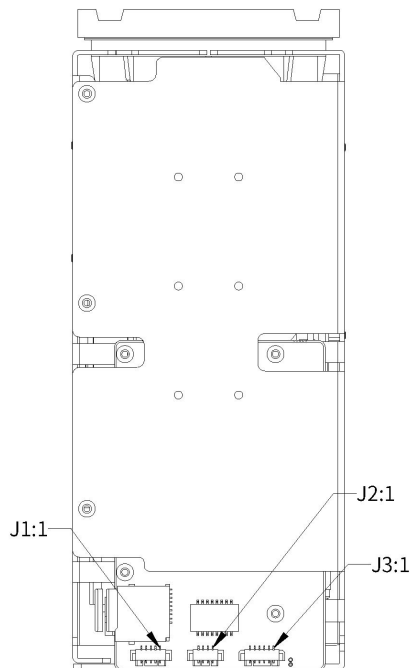
	Resolution	50Hz: 25fps@4K/8Mp(3840×2160) 60Hz: 30fps@4K/8Mp(3840×2160)
	Video Bit Rate	32kbps~16Mbps
	Audio	AAC / MP2L2
Network	Network Protocol	IPv4, IPv6, HTTP, HTTPS, TCP, UDP, RTSP, RTCP, RTP, ARP, NTP, FTP, DHCP, PPPoE, DNS, DDNS, UPnP, IGMP, ICMP, SNMP, SMTP, QoS, 802.1x, Bonjour
	API	ONVIF, HTTP API, SDK
	Web Browser	IE, Edge, Firefox, Chrome
	User	Up to 20 users, 2 level: Administrator, User
	Storage	Micro SD/SDHC/SDXC card (Up to 256GB) edge storage, FTP, NAS
	Multicast	Support
General Events		Motion, Tamper, SD Card, Network
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: 0.01Lux/F1.4, Black & White: 0.001Lux/F1.4.
Noise Reduction		2D/3D
Exposure Mode		Auto, Aperture Priority, Shutter Priority, Gain Priority, Manual
Exposure Compensation		Support
Shutter Speed		1/1~1/30000s
BLC		Support
HLC		Support
WDR		Support
White Balance		Auto, Manual, Indoor, Outdoor, ATW, Sodium lamp, Street lamp, Natural, One Push
Day/Night		Electrical, ICR(Auto/Manual)
Focus Mode		Auto, Manual, Semi Auto, Fast Auto, Fast Semi Auto, One Push AF
Electronic Defog		Support
Optical Defog		Support, 750nm~1100nm channel is Optical Defog
Heat Haze Reduction		Support
Flip		Support
EIS		Support
Digital Zoom		16x
External Control		TTL
Interface		4pin Ethernet port, 6pin Power & UART port, 5pin Audio port.
Communication Protocol		SONY VISCA, Pelco D/P
Operating Conditions		-30°C~+60°C/20% to 80%RH
Storage Conditions		-40°C~+70°C/20% to 95%RH
Power Supply		DC 12V
Power Consumption		Static power: 5W, Sports power: 6W

Dimensions(L*W*H)	176mm*72mm*77mm
Weight	900g

### 3. Dimension



### 4. Interface Definition



#### Network Interface

Type	PIN Number	PIN Name	Description
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J1_5pin Audio Interface	1	AUDIO_OUT	Audio Out (Line Out)
	2	GND	GND
	3	AUDIO_IN	Audio In (Line In)
	4	GND	GND
	5	NC	NC
J2_4pin Ethernet Interface	1	ETHRX-	Adaptive Ethernet port, Internet RX-
	2	ETHRX+	Adaptive Ethernet port, Internet RX+
	3	ETHTX-	Adaptive Ethernet port, Internet TX-
	4	ETHTX+	Adaptive Ethernet port, Internet TX+
J3_6pin Power & UART Interface	1	DC_IN	DC12V
	2	GND	GND
	3	RXD1	TTL Level 3.3V, Pelco Protocol
	4	TXD1	TTL Level 3.3V, Pelco Protocol
	5	RXD0	TTL Level 3.3V, Visca Protocol
	6	TXD0	TTL Level 3.3V, Visca Protocol

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