

SG-ZCM5032NIL

- AI ISP Based 5Megapixel 32x Normal Range Zoom Starlight Network Camera Module



1. Features

- > 1/2.8" Sony Starvis progressive scan CMOS.
- > Powerful 32x optical zoom (4.7~150mm).
- > Max. 5MP(2560×1920) Resolution.
- > Support various IVS functions.
- > Support EIS and Electronic Defog.
- > Support various OSD information overlay.
- > **Hisilicon new generation of AI noise reduction ISP, restoring the true color world.**

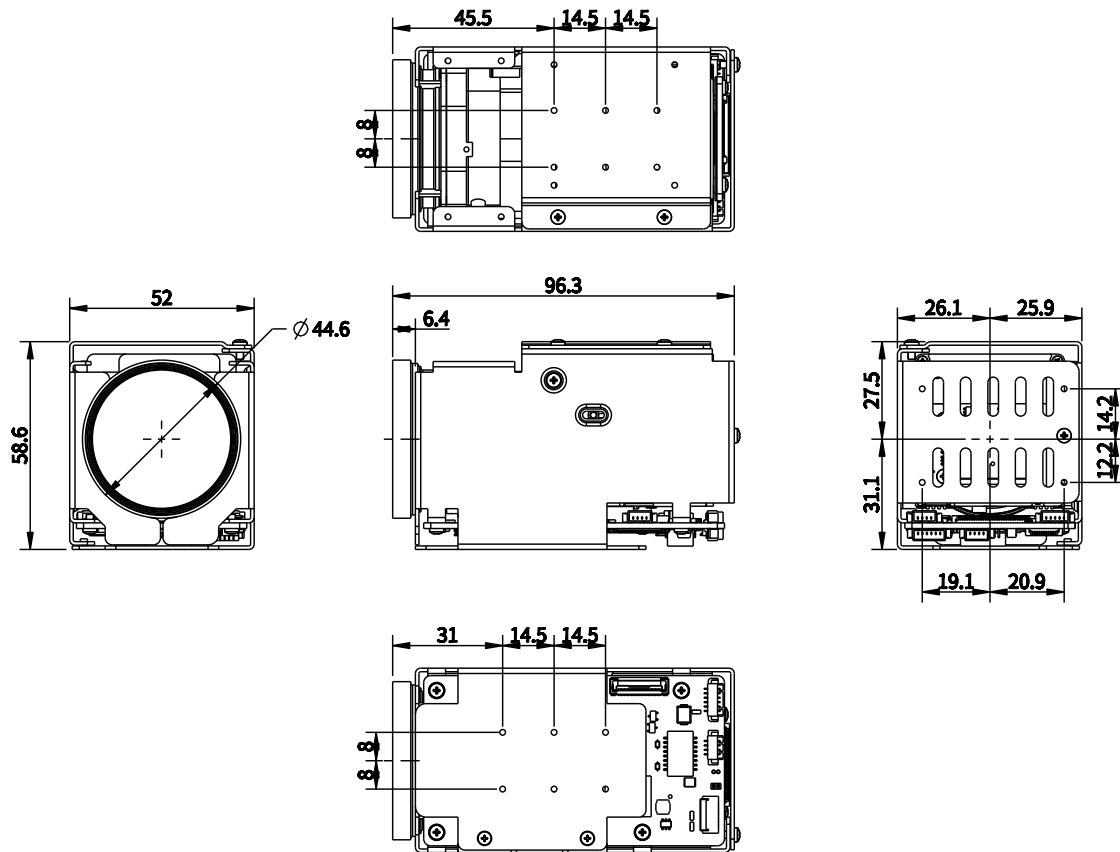
2. Specification

Model		SG-ZCM5032NIL			
Sensor	Image Sensor	1/2.8" Sony Starvis progressive scan CMOS			
	Effective Pixels	Approx. 5.12 Megapixel			
Lens	Focal Length	4.7mm~150mm, 32x Optical Zoom			
	Aperture	F1.6~F4.3			
	Field of View	H: 57.15°~1.96°, V: 44.44°~1.17°, D: 68.50°~2.44°			
	Close Focus Distance	0.1m~5m (Wide~Tele)			
	Zoom Speed	Approx. 4s (Optical Wide~Tele)			
	DORI Distance (Human)	Detect	Observe	Recognize	Identify
Video	Compression	H.265/H.264/H.264H/H.265B/MJPEG			
	Streaming Capability	3 streams			

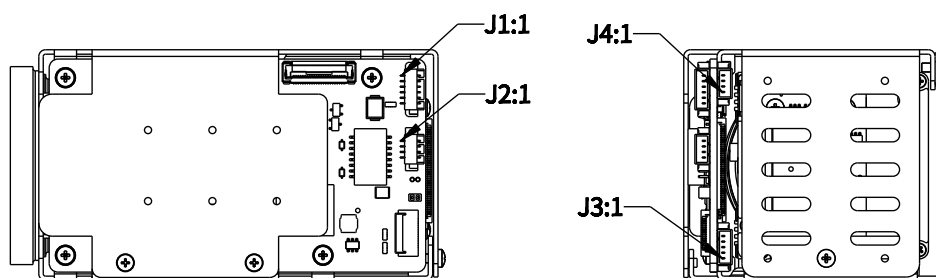
	Streams	Main Stream: 50fps@(2560×1920); 50/60fps@(2560×1440, 1920×1280, 1280×720) Sub Stream1: 50/60fps@(704×576, 352×288) Sub Stream2: 50/60fps@(1920×1080, 1280×720, 704×576)
	Video Bit Rate	32kbps~16Mbps
	Audio	AAC / MP2L2
Network	Network Protocol	IPv4, IPv6, HTTP, HTTPS, TCP, UDP, RTSP, RTCP, RTP, 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 1TB) 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
Minimum Illumination		Color: 0.001Lux/F1.6; B/W: 0.0001Lux/F1.6
Noise Reduction		2D/3D/AI ISP
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		ICR(Auto/Manual)
Focus Mode		Auto, Manual, Semi Auto, Fast Auto, Fast Semi Auto, One Push AF
Electronic Defog		Support
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: 3.2W, Sports power: 4.8W
Dimensions(L*W*H)	96.3mm*52mm*58.6mm
Weight	300g

3. Dimension



4. Interface Definition



Network Interface

Type	PIN Number	PIN Name	Description
J2_4pin Ethernet Interface (A1251-04A 1.25MM)	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+

J1_6pin Power & UART Interface (A1251-06A 1.25MM)	1	DC_IN	DC12V
	2	GND	GND
	3	UART2_RX	TTL Level 3.3V, Pelco Protocol
	4	UART2_TX	TTL Level 3.3V, Pelco Protocol
	5	UART1_RX	TTL Level 3.3V, Visca Protocol
	6	UART1_TX	TTL Level 3.3V, Visca Protocol
J3_5pin Audio Interface (A1251-05A 1.25MM)	1	AUDIO_OUT	Audio Out (Line Out)
	2	GND	GND
	3	AUDIO_IN	Audio In (Line In)
	4	NC	NC
	5	NC	NC

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