

SG-ZCM2020A

- 2MP 20x Zoom HDTVI, HDCVI, AHD, CVBS 4 in 1 Output Camera Module



1. Features

- > 1/2.8" Sony CMOS Sensor
- > 20x optical zoom (4.8mm~96mm)
- > Max. 2Mp(1920x1080) Resolution
- > Support OSD menu setting
- > Support ICR, BLC, Defog, Mirror, Privacy Masking functions
- > Support HDTVI, HDCVI, AHD CVBS 4 in 1 output
- > Support PelcoD and Visca protocol

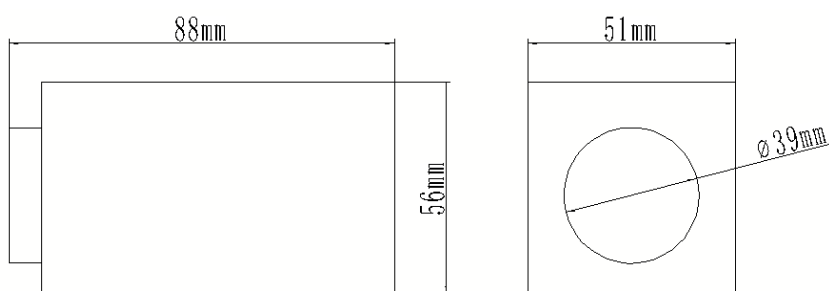
2. Specification

Model		SG-ZCM2020A
Sensor	Image Sensor	1/2.8" Sony IMX307 CMOS
	Effective Pixels	Approx. 2.13 Megapixel
Lens	Focal Length	4.8mm~96mm, 20x Optical Zoom
	Aperture	F1.6~F3.5
	Field of View	H: 61.8°~3.6°
	Close Focus Distance	100~1500mm (Wide~Tele)
	Zoom Speed	Approx. 3s (Optical Wide~Tele)
Video	Format	HD-TVI, HDCVI, AHD, CVBS 4 in 1(OSD menu switch)
	Output	Ivp-p Composite Output
	Resolution	TVI/CVI/AHD: 25/30fps@2MP(1920×1080) CBVS: 700TVL
OSD Menu		On/Off (11*20 characters)
Minimum Illumination		Color: 0.01Lux/F1.6; B/W: 0.001Lux/F1.6
Day/Night		ICR (Auto, Color, Black, External)
S/N Ratio		≥44dB
2D Noise Reduction		Support
3D Noise Reduction		Support (High/Middle/Low)

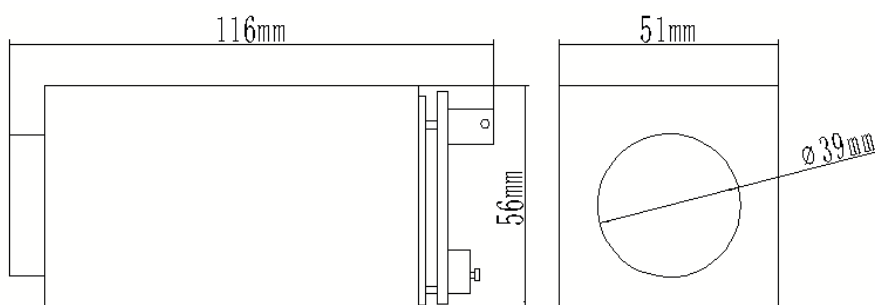
Focus Mode	Auto, Manual, Semi Auto,
Exposure Mode	Auto, Manual
Shutter Speed	Auto, 1/50(1/60) ~1/100,000s
Slow shutter	X2
White Balance	Auto, Indoor, Outdoor, Auto Track, One Push
BLC	On/Off
Auto Gain Control	Auto, Manual
Privacy Masking	On/Off, max. 8 areas
Definition	Adjustable
Contrast	Adjustable
Defog	Support
Mirror	On/Off, rotate, flip
Image freeze	On/Off
Interface	6pin, 2pin 1.25mm Terminal base, with Tail board
Communication Protocol	SONY VISCA, Pelco D, UTC (9.6Kbps 10BIT)
Operating Conditions	-30°C~+60°C/20% to 80%RH
Storage Conditions	-40°C~+70°C/20% to 95%RH
Power Supply	DC 12V/90mA ±6mA (DC Range: 9~16V)
Power Consumption	Max. 4W
Dimensions(L*W*H)	88mm*51mm*56mm (116mm*51mm*56mm with tail board)
Weight	213g (231g with tail board)

3. Dimension

> Without control board

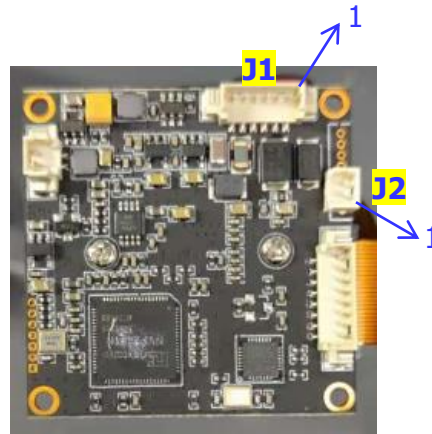


> With control board



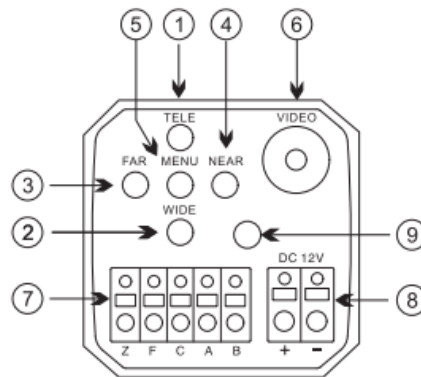
4. Interface Definition

> Without control board



Type	PIN Number	PIN Name	Description
J1_6pin Video, Power & UART Interface	1	AGND	Video GND
	2	VIDEO	Video output
	3	GND	Power GND
	4	12V	DC12V
	5	TX	TTL232 3.3V for Visca (or PelcoD)
	6	RX	TTL232 3.3V for Visca (or PelcoD)
J2_2pin KEY Interface	1	KEY	KEY
	2	GND	GND

> With control board



No.	Function	No.	Function	No.	Function	No.	Function
1	Zoom Tele	5	Menu ON/OFF	7Z	Zoom	7B	RS485- (Pelco)
2	Zoom Wide	6	Video Out	7F	Focus	N/A	
3	Focus Far	8	DC 12V +/-	7C	COM		
4	Focus Near	9	Power Light	7A	RS485+ (Pelco)		

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

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