

CVBS

ATC-HZ5508C-C

FHD 1.58MP High Resolution
8x Global Shutter Zoom Camera



features

- 1/2.9" Progressive Scan Global Shutter CMOS
- 96x AF Zoom
(8x optical zoom, 12x digital zoom)
- NTCS / PAL
- Mechanical Day&Night
- True WDR
- 3D DNR, Defog
- UART RS232-TTL (Pelco-D, Pelco C, VISCA, Hitachi)

1/2.9"

8x AF

CMOS

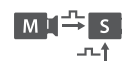
ZOOM



DNR



MOTION



External
sync



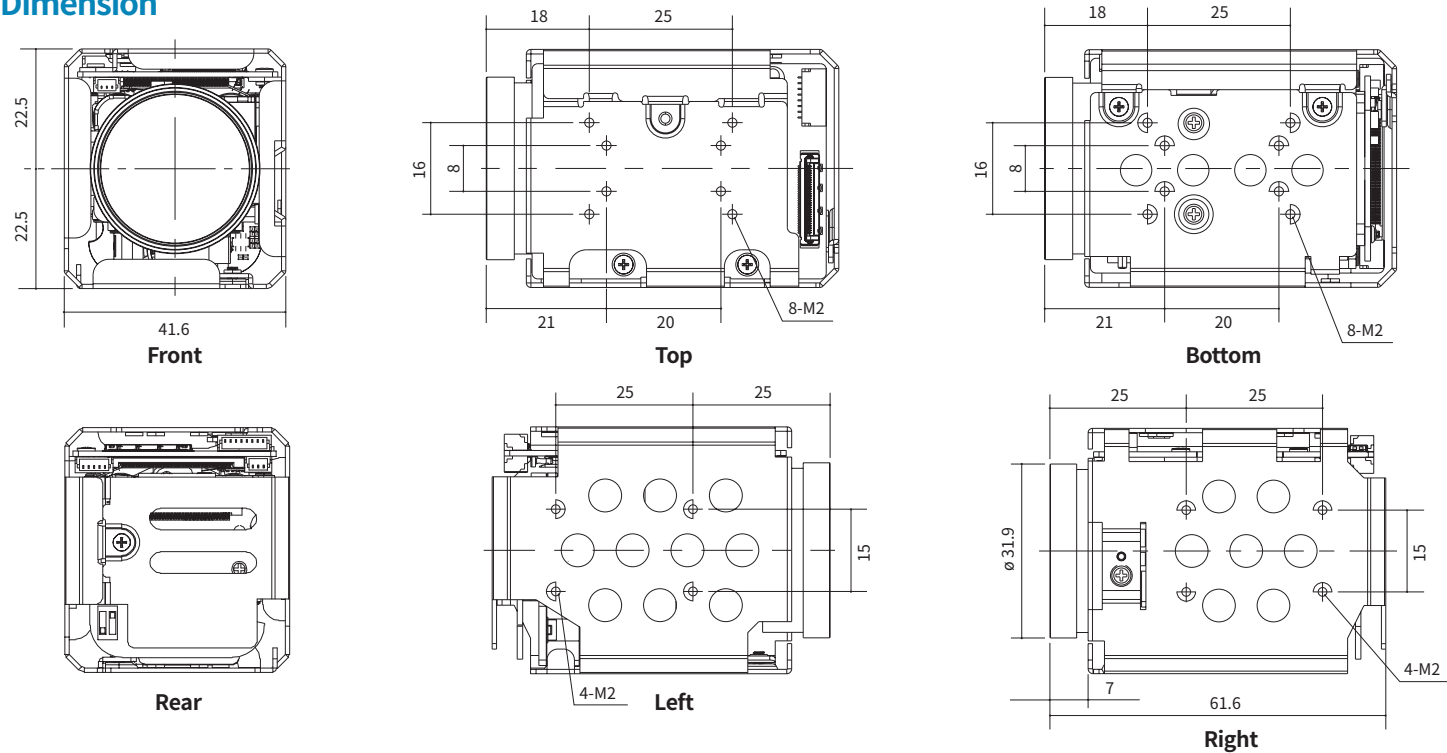
Global
Shutter

Specifications

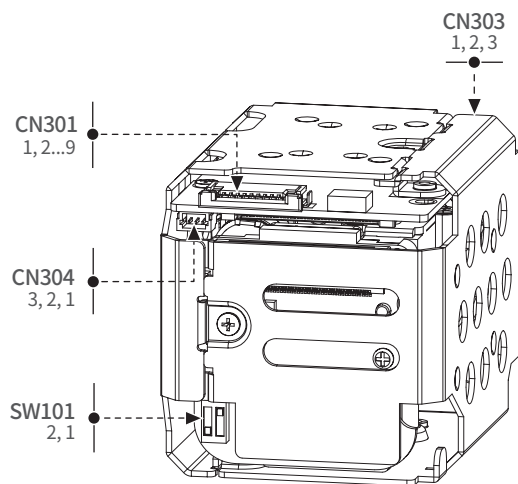
Image Sensor		1/2.9" Progressive Scan Global Shutter CMOS
Effective Pixels		1.58MP 1456(H) x 1088(V)
Video Output Mode	Common	CVBS
Max. Video Resolution		-
Synchronization system		Internal / External Option
Min. Illumination		Day mode: 0.03Lux(F1.7) Night mode: 0.02Lux(F1.7/ IR-cut filter on) Sens-Up off, AGC d3X
S/N Rate		More than 52dB(AGC off, Sens-Up off)
Lens	Type	AF Optical zoom lens(DC Iris), IR Corrective
	Focal Length	f=5.6mm~43.7mm
	F-value	F1.7(W)~1.9(T)
	Angle of View	Horizontal 50.19°(W)~6.43°(T), Vertical 37.97°(W)~4.86°(T)
Zoom ratio		Optical 8x / Digital 12x
Focus Min. Working Distance		0.2m(Wide)/1.0m(Tele)~∞
Focus Control		Auto/Manual/Interval/One Push/Preset
AE Mode		Auto/Shutter Priority/Iris Priority/ AGC Priority/Manual
Brightness		0~14
Manual Shutter		1/60(50)~1/10000
Manual Iris		F1.6~F32, Close
Sense-up		Off~32fields
ETC		Spot AE, Slow AE
D&N Mode		Auto/Day(Color)/Night(BW)/External-H or L
White Balance		AUTO/ATW/Indoor/Outdoor/One Push/Manual
Image Freeze		Off/On
Image Flip		Off/Horizontal/Vertical/H+V(180° Flip)
Privacy Mask Zone		8 Zones/14 mask color selectable

Digital Image Stabilization		-
Motion Detection		4 Zones
D-WDR		Off/Low/Middle/High
WDR		Off/On, Adjustable (Level:0~29, Contrast:0~5, Bright:0~19)
BLC		Off/On, Area selectable
HLC		Off/On, Area selectable
AGC		Max.48dB, d2x ~ d9X
Sharpness		Adjustable(0~15)
3D-DNR		Off/Auto/Low/Middle/High
2D-DNR		Off/Auto/Low/Middle/High
Defog		Off/On/Auto
Preset		256 position Presets(Zoom,Focus), 16Memory Presets, Custom Preset
Language		English
UART	Remote	RS232 TTL +5.0V(+3.3V compatible)
	Protocol	VISCA/Pelco-D/Pelco-P/ Hitachi: Automatic detection
	Baud rate	2400/4800/9600/19200/38400/57600/115200bps
Supply Voltage		12VDC(9V to 15VDC)
Power Consumption		Max.5.1W / Non-working zoom&focus 3.1W
Dimension(mm)		41.6x45x61.6mm
Weight		Approx.124g
Operating Temperature		-10°C~+50°C, Humidity(Less than 90%)
Storage Temperature		-20°C~+60°C, Humidity(Less than 90%)
Remark		

Dimension



Pin Assignment



SW101 is fixed the sensor slave (Switch 1: OFF, Switch 2: ON)
It cannot be operated when using the other settings.

Pin no.	CN303(External D&N) / JST: SM03B-SRSS-TB
1	Ext_D&N : External D&N Input
2	GND
3	+3.3V Out(For sensor)

Pin no.	CN304(RS-232 TTL) / JST: SM03B-SRSS-TB
1	GND
2	RXD : CMOS 3.3V Read Data
3	TXD : CMOS 3.3V Send Data

Pin no.	CN301(FFC Connector) / Molex : 52207-0933	Master	Slave
1	CVBS_SUB	CVBS_SUB (OUTPUT)	CVBS_SUB (INPUT)
2	VD_OUT	VD_OUT (Use)	VD_OUT (No use)
3	GND	GND	GND
4	CVBS_MAIN	CVBS_MAIN	CVBS_MAIN
5	GND	GND	GND
6	POWER IN : +12VDC	POWER IN : +12VDC	POWER IN : +12VDC
7	GND	GND	GND
8	TXD : CMOS 5.0V Send Data(Compatible 3.3V)	TXD : CMOS 5.0V Send Data(Compatible 3.3V)	TXD : CMOS 5.0V Send Data(Compatible 3.3V)
9	RXD : CMOS 5.0V Read Data(Compatible 3.3V)	RXD : CMOS 5.0V Read Data(Compatible 3.3V)	RXD : CMOS 5.0V Read Data(Compatible 3.3V)