

USB / CVBS

ATC-HZ5509W-UE

**FHD 3.19MP High Resolution
9x Global Shutter Zoom Camera**



features

- 1/1.8" Progressive Scan Global Shutter CMOS
- 108x AF Zoom
(9x optical zoom, 12x digital zoom)
- 1080p 60/50/30/25fps
- Mechanical Day&Night
- True WDR, 3D DNR, Defog
- External Synchronization
- UART RS232-TTL (Pelco-D/P, VISCA, AFP/EAP)

1/1.8"

CMOS

**60/50fps
FHD**

1080p

9x AF

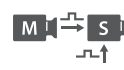
ZOOM



DNR



MOTION



External
sync



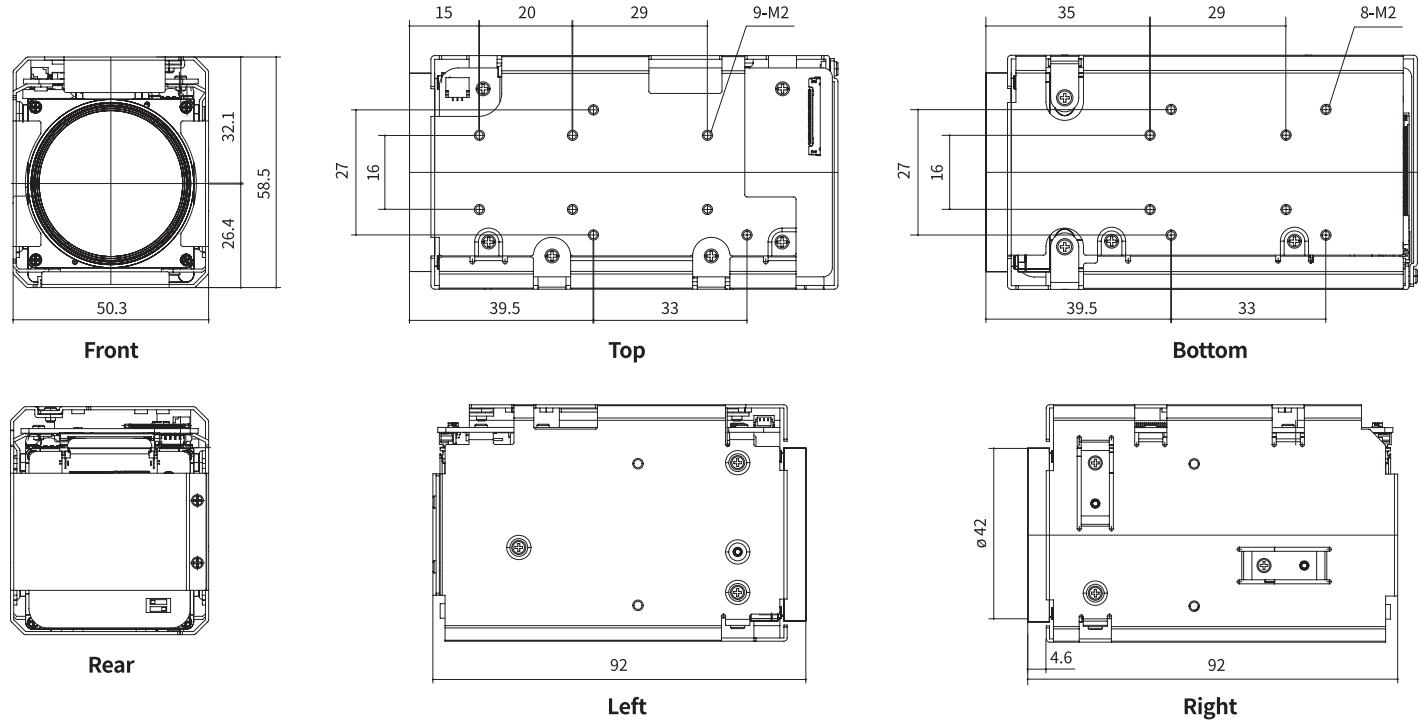
GLOBAL
SHUTTER

Specifications

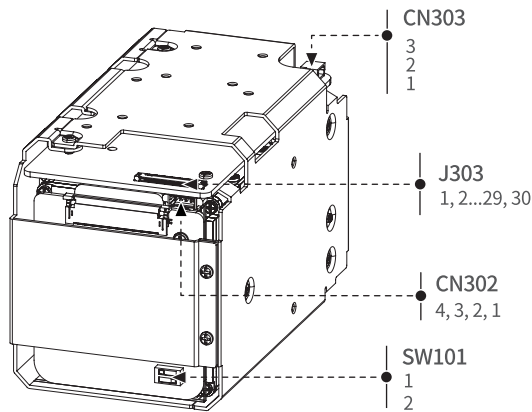
Image Sensor		1/1.8" Progressive Scan Global Shutter CMOS
Effective Pixels		3.19MP 2064(H) x 1544(V)
Video Output Mode	Common	USB / CVBS
Max. Video Resolution		USB 3.0
Synchronization system		Internal / External
Min.Illumination		Day mode: 0.1Lux(F1.5) Night mode: 0.05Lux(F1.5/ICR on) Sens-Up off, AGC45dB
S/N Rate		More than 55dB(AGC off, Sens-Up off)
Lens	Type	AF Optical zoom lens(DC Iris), IR Corrective
	Focal Length	f=8.0mm~70mm
	F-value	F1.5(W)~2.1(T)
	Angle of View	Horizontal 50°(W)~5.6°(T), Vertical 37.6°(W)~4.3°(T)
Zoom ratio		Optical 9x / Digital 12x
Focus Min.Working Distance		0.1m(Wide)/0.5m(Tele)~∞
Focus Control		Auto/Interval/One Push/Manual/Presets
AE Mode		Auto/Shutter Priority/Iris Priority/ AGC Priority/Manual
Brightness		0~20
Manual Shutter		1/1, 1/2, 1/4(3), 1/8(6), 1/15(12), 1/30(25), 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)/EXT-H/EXT-L
White Balance		AUTO/One Push/Indoor/Outdoor/ATW/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		Yes
Motion Detection		4 Zones
D-WDR		Off/On/Auto(Low/Middle/High)
WDR		Off/On, Adjustable (Strength:0~29, WDR Tonemap:0~5, Bright:0~30, AGC MAX:1~50, WDR Sharpness: 0~20, WDR Contrast: 0~20, WDR Saturation: 0~20, WDR Auto : On/Off)
BLC		Off/On, Area selectable
HLC		Off/On, Area selectable
AGC		Max.48dB
Sharpness		Adjustable(0~20)
3D-DNR		Off/Auto/Low/Middle/High
2D-DNR		Off/Auto/Low/Middle/High
Defog		Off/On/Auto(Low/Middle/High)
Preset		192 position Presets(Zoom,Focus), 16Memory Presets, Custom Preset
Language		English
UART	Remote	RS232 TTL +5.0V(+3.3V compatible)
	Protocol	VISCA, PELCO-D/P, AFP/EAP:Auto Detection
	Baud rate	2400/4800/9600/19200/38400/57600/115200bps
Supply Voltage		12VDC(9V to 15VDC)
Power Consumption		Max5.2W / Non-working zoom&focus 3.4W
Dimension(mm)		50.3x58.4x92.0mm
Weight		Approx.253g
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.	J303(Micro Co-Axial) / KEL Co. USL00-30L-C
1	GND
2	VS_IN
3	HS_IN
4	CLK_IN
5	VS_OUT
6	HS_OUT
7	CLK_OUT
8	GND
9	TRIG_COM
10	TRIGGER_IN
11	STROBE_COM
12	STROBE_OUT
13	RXD : CMOS 3.3V Read Data
14	TXD : CMOS 3.3V Read Data
15	GND
16	+12VDC
17	+12VDC
18	+12VDC
19	+12VDC
20	GND
21	GND
22	SS_DM
23	SS_DP
24	OTG_ID
25	GND
26	MICRO_SSTX_M
27	MICRO_SSTX_P
28	GND
29	MICRO_SSRX_M
30	MICRO_SSRX_P

Pin no.	CN302(CVBS) / Molex: 53261-0471
1	POWER IN : +12VDC
2	GND
3	VIDEO : CVBS Output
4	AD_KEY

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)