

HD-SDI / EX-SDI(V1.0/ V2.0/ V2.1/ V3.0) / CVBS / TVI / AVI

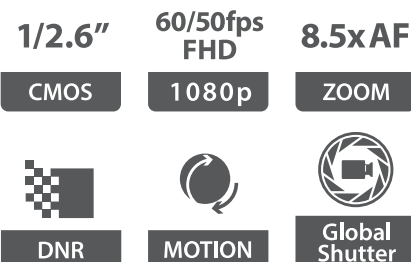
ATC-HZ8309Z-TA

FHD 2.3MP High Resolution
8.5x Global Shutter Zoom Camera



features

- 1/2.6" Progressive Scan Global Shutter CMOS
- 102x AF Zoom
(8.5x optical zoom, 12x digital zoom)
- 1080p 60/50/30/25fps
- Mechanical Day&Night
- True WDR
- 3D DNR, Defog
- UART RS232-TTL (Pelco-D, Pelco C, VISCA, Hitachi)

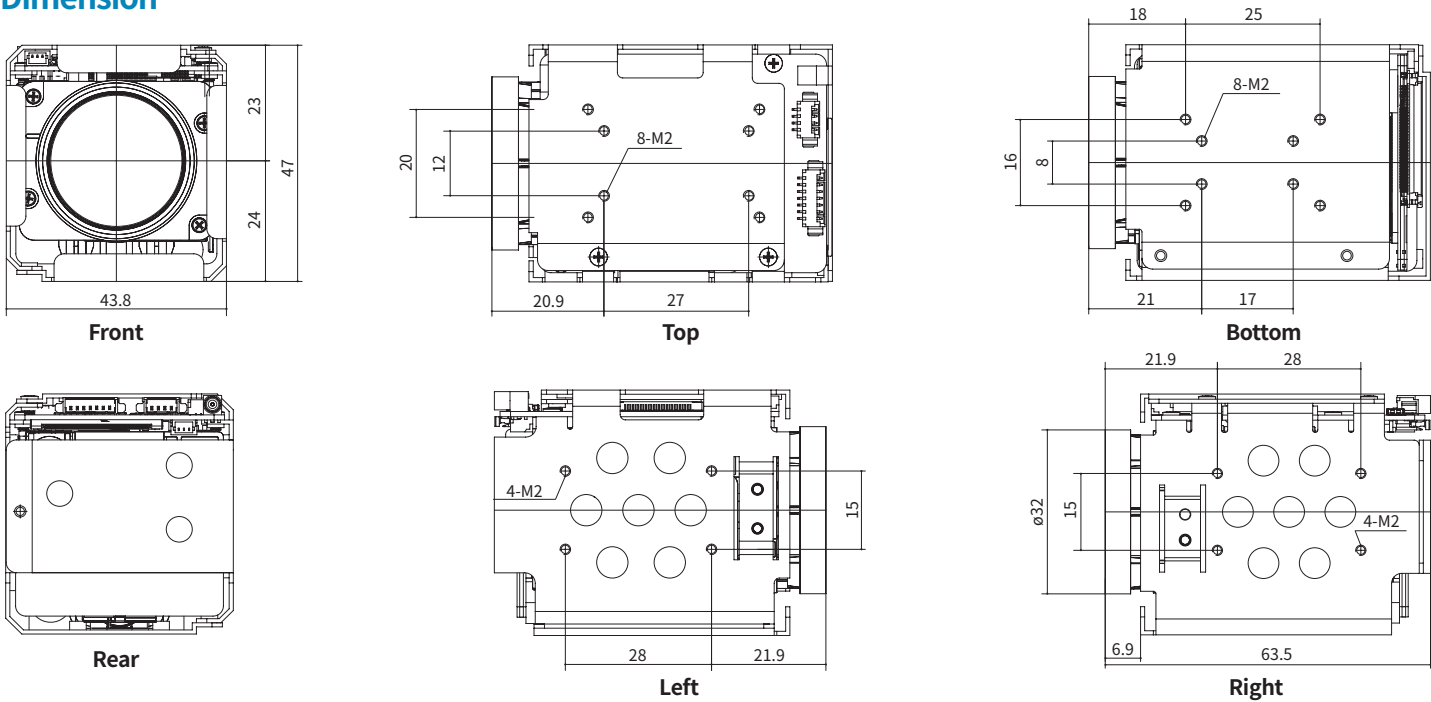


Specifications

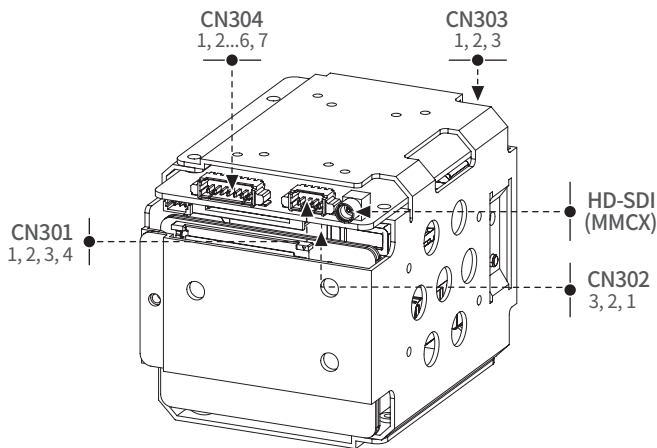
Image Sensor		1/2.6" Progressive Scan Global Shutter CMOS
Effective Pixels		2.3MP 1920(H) x 1200(V)
Video Output Mode	Common	HD-SDI/EX-SDI(V1.0)/EX-SDI(V2.0)/EX-SDI(V2.1)/EX-SDI(3.0)/CVBS
	AVI/TVI/LVDS	TVI/AVI
Max. Video Resolution		HD-SDI:1080p@60(50fps), EX-SDI/TVI/AVI:1080p@30(25fps)
Synchronization system		Internal
Min.Illumination		Day mode: 0.1Lux(F1.7) Night mode: 0.08Lux(F1.7/ IR-cut filter on) Sens-Up off, AGC48dB
S/N Rate		More than 53dB(AGC off, Sens-Up off)
Lens	Type	AF Optical zoom lens(DC Iris), IR Corrective
	Focal Length	f=4.8mm~40.8mm
	F-value	F1.7(W)~3.1(T)
	Angle of View	Horizontal 63.8°(W)~7.8°(T), Vertical 41.6°(W)~5.0°(T)
Zoom ratio		Optical 8.5x / Digital 12x
Focus Min.Working Distance		0.01m(Wide)/1.0m(Tele)~∞
Focus Control		Auto/Manual/Interval/One SHOT
AE Mode		Auto/Shutter Priority/Iris Priority/Manual
Brightness		1~20
Manual Shutter		1/1, 1/2, 1/4(3), 1/8(6), 1/15(12), 1/30(25), 1/60(50)~1/30000
Manual Iris		F1.6~F19, Close
Sense-up		Off~32fields
ETC		Slow AE
D&N Mode		Auto/Day(Color)/Night(BW)/External-H or L
White Balance		AUTO/ATW/Indoor/Outdoor/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		Yes
Motion Detection		4 Zones
D-WDR		Off/Low/Middle/High
WDR		Off/On, Adjustable (Level: Low/Middle/High)
BLC		Off/On, Area selectable
HLC		Off/On, Area selectable
AGC		Max.48dB
Sharpness		Adjustable(0~15)
3D-DNR		OFF/Auto(Level:0~2)/ Manual(Gain:0~255/THLD:0~255/FK:0~255)
2D-DNR		OFF/Auto(Level:0~2)/ Manual(THLD:0~255/FK:0~255)
Defog		Off/Auto(Low/Middle/High)/Manual
Preset		256 position Presets(Zoom,Focus), 16Memory Presets, Custom Preset
Language		English / Japanese / Russian / Spanish / German /France/ Portuguese / Chinese
Remote		RS232 TTL +5.0V(+3.3V compatible)
UART	Protocol	VISCA/Pelco-D/Pelco-P/ Hitachi: Automatic detection
	Baud rate	2400/4800/9600/19200/38400/57600/115200bps
UTC		TVI-UTC/AVI-UTC
Supply Voltage		12VDC(9V to 15VDC)
Power Consumption		Max.4.7W / Non-working zoom&focus 2.6W
Dimension(mm)		43.8x47x63.5mm
Weight		Approx.121g
Operating Temperature		-10°C~+50°C, Humidity(Less than 90%)
Storage Temperature		-20°C~+60°C, Humidity(Less than 90%)
Remark		

Dimension



Pin Assignment



Jack	SDI Output connector / MMCX Jack Connector
Pin no.	CN301(CVBS) / Molex: 53261-0471
1	POWER IN : +12VDC
2	GND
3	VIDEO : CVBS Output
4	AD_KEY
Pin no.	CN302(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.	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 / Molex: 53261-0771
1	POWER IN : +12VDC
2	GND
3	TXD: CMOS 5.0V Send Data(Compatible 3.3V)
4	RXD: CMOS 5.0V Read Data(Compatible 3.3V)
5	TVI/AVI Output
6	GND
7	Default CVBS Output (Optional: AD KEY)