

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

ATC-HZ8309Z-LC

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-P, VISCA, Hitachi)

1/2.6"	60/50fps	8.5x AF
CMOS	FHD	ZOOM
	1080p	
DNR	MOTION	Global Shutter

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	LVDS
Max. Video Resolution		HD-SDI/LVDS:1080p@60(50fps), EX-SDI:1080p@30(25fps)
Synchronization system		Internal
Min.Illumination		Day mode: 0.4Lux(F1.7) Night mode: 0.3Lux(F1.7/ IR-cut filter on) Sens-Up off, AGC36dB
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/Interval/One Shot/Manual/Presets
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/Presets/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/0~10, Area selectable
HLC		Off/0~20, Color selectable
AGC		Max.36dB
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(Gain:0~255/THLD:0~255)
Defog		Off/Auto(Low/Middle/High)/Manual
Presets		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
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		

[illegible]

Technical drawing of the front view of a metal cabinet. The drawing shows a rectangular cabinet with a door on the right side. Dimensions are indicated in millimeters: 18, 20, 5, 16, 8, 21, and 17. There are four mounting points labeled 8-M2. The door has a handle and a lock mechanism. The drawing is a line drawing with dimensions and labels.

Technical drawing of a rectangular plate. The drawing shows a top view with a central rectangular area containing six circular holes arranged in two rows of three. The overall dimensions are 28 (width) and 15 (height). A dimension of 21.9 is shown for the width of the central area. A label '4-M2' indicates the size of the holes. The drawing includes various mechanical details such as mounting flanges and a central rectangular feature with two circular holes.

Technical drawing of the front view of a rectangular plate. The overall dimensions are 63.5 mm in width and 63.2 mm in height. The plate features a central rectangular area with a width of 28 mm and a height of 15 mm. This central area contains four circular holes, each with a diameter of 4 mm, arranged in a 2x2 grid. The distance between the centers of the holes is 21.9 mm. The plate has a flange on the left side with a thickness of 6.9 mm. The flange has a central hole with a diameter of 4 mm. The plate is secured by four screws, each with a diameter of 4 mm, arranged in a 2x2 grid. The screws are labeled '4-M2'. The plate is also secured by two screws on the right side, each with a diameter of 4 mm. The plate is also secured by two screws on the bottom side, each with a diameter of 4 mm. The plate is also secured by two screws on the top side, each with a diameter of 4 mm.

Diagram illustrating the rear panel connectors and their pin configurations:

- J303**: 1, 2, ..., 29, 30
- CN303**: 3, 2, 1
- CN301**: 1, 2, 3, 4
- HD-SDI (MMCX)**
- CN302**: 3, 2, 1

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