

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

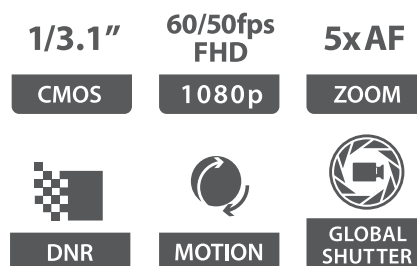
PRELIMINARY ATC-HZ8905J-L

FHD 3.2MP High Resolution
5x Global Shutter Zoom Camera



features

- 1/3.1" Progressive Scan Global Shutter CMOS
- 80x AF Zoom
(5x optical zoom, 16x digital zoom)
- 1080p 60/50/30/25fps
720p 60/50/30/25fps, 1080i 60/50fps
- True WDR
- 2D/3D DNR, Defog, DIS
- UART RS232-TTL (Pelco-D/P, VISCA)

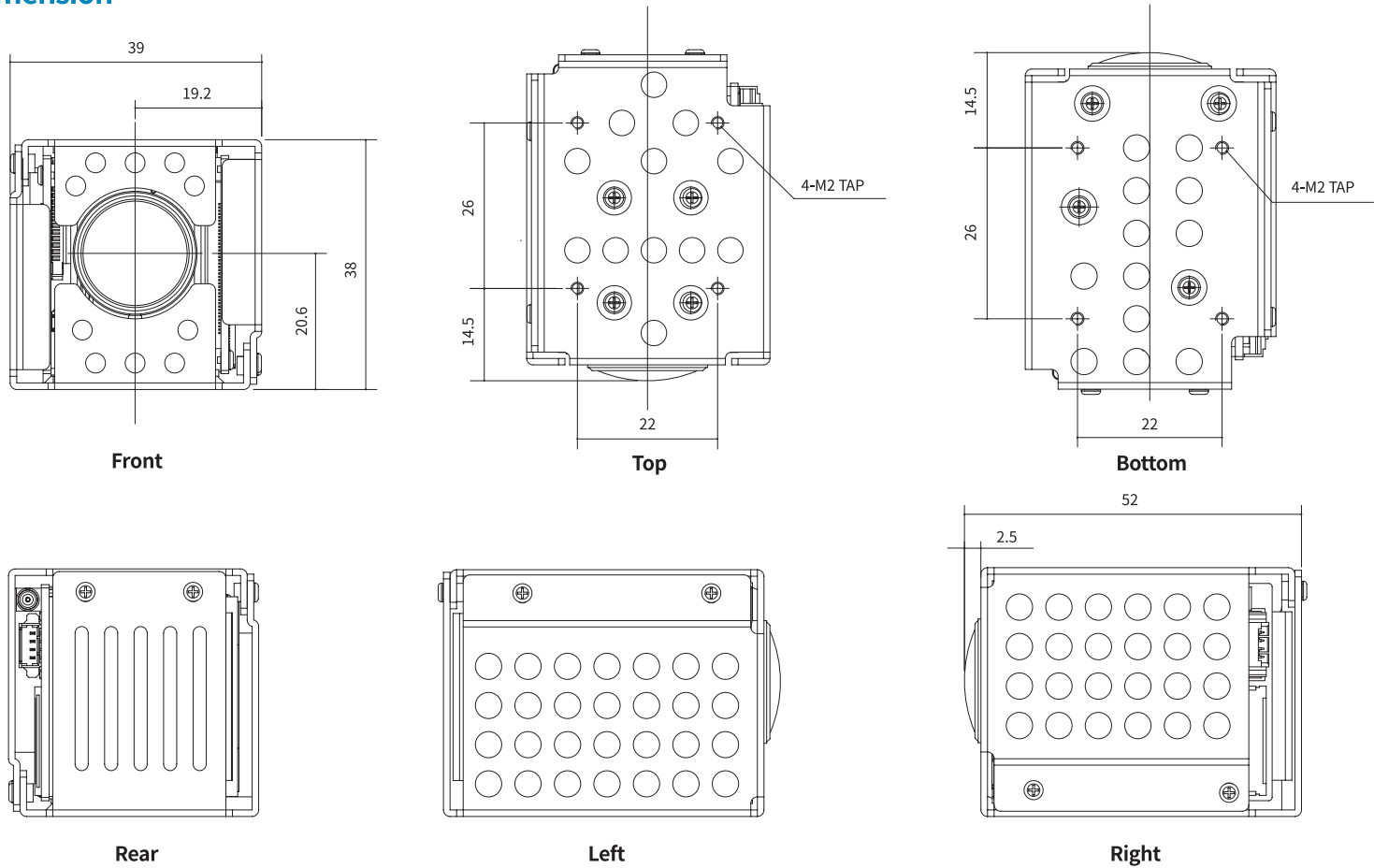


Specifications

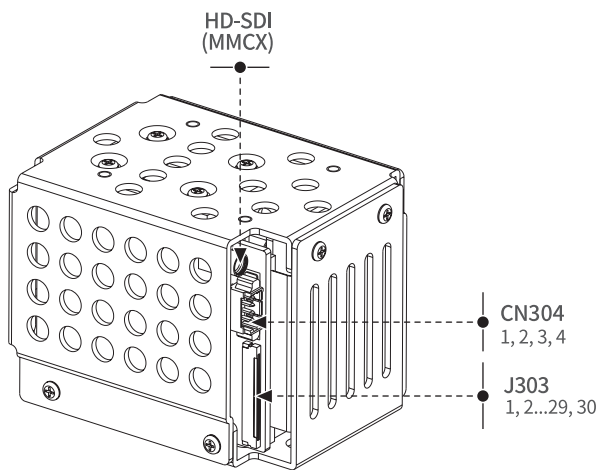
Image Sensor		1/3.1" Progressive Scan Global Shutter CMOS
Effective Pixels		3.2MP 2064(H) x 1552(V)
Video Output Mode	Common	HD-SDI/ EX-SDI(V1.0/ V2.0/ V2.1/ V3.0(TBD))/ CVBS
	AVI/TVI/LVDS	LVDS
Max. Video Resolution		HD-SDI/LVDS/EX-SDI:1080p@60(50fps)
Synchronization system		Internal
Min.Illumination		Day mode: T.B.D (F3.2)
S/N Rate		More than 52dB(AGC off, Sens-Up off)
Lens	Type	AF Optical zoom lens(DC Iris)
	Focal Length	f=5mm~25mm
	F-value	F3.2(W)~3.7(T)
	Angle of View	H 47°(W)~9.6°(T), V 27°(W)~5.5°(T)
Zoom ratio		Optical 5x / Digital 16x
Focus Min.Working Distance		0.01m(Wide)~1.0m(Tele)~∞
Focus Control		Auto/Interval/One Shot/Manual/Presets
AE Mode		Auto/Shutter 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		-
Sense-up		Off~32fields
ETC		Slow AE
D&N Mode		Day(Color)
White Balance		AUTO/Indoor/Outdoor/One push/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/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.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(Gain:0~255/THLD:0~255)
Defog		Off/On(Low/Middle/High)
Preset Position		192 position Presets(Zoom, Focus), 16Memory Presets, Custom Preset
Language		English, Russian, Spanish, German, French, Portuguese, Chinese, Japanese
UART	Remote	RS232 TTL +5.0V(+3.3V compatible)
	Protocol	VISCA, PELCO-D/P:Auto Detection
	Baud rate	2400/4800/9600/19200/38400/57600/115200bps
Supply Voltage		12VDC(9V to 15VDC)
Power Consumption		T.B.D
Dimension(mm)		39x38x52mm
Weight		Approx.70g
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.	CN304(RS-232 TTL) / Molex: 53261-0471
1	POWER IN: +12VDC
2	GND
3	RXD: CMOS 3.3V Send Data
4	TXD: CMOS 3.3V Send Data

Pin no.	J303(LVDS/Micro Co-Axial) / KEL Co.USL00-30L-C		
1	TX_OUT3+	16	+12VDC
2	TX_OUT3-	17	+12VDC
3	TX_CLKOUT+	18	+12VDC
4	TX_CLKOUT-	19	GND
5	TX_OUT2+	20	GND
6	TX_OUT2-	21	TX_OUT7+ : Single out mode (open)
7	TX_OUT1+	22	TX_OUT7- : Single out mode(open)
8	TX_OUT1-	23	TX_OUT6+ : Single out mode(open)
9	TX_OUT0+	24	TX_OUT6- :Single out mode(open)
10	TX_OUT0-	25	CVBS Output
11	GND	26	RESET_IN : Reset-Low(GND), Normal(1.8V)
12	TXD: CMOS 5.0V Send Data (Compatible 3.3V)	27	TX_OUT5+ : Single out mode (open)
13	RXD: CMOS 5.0V Read Data (Compatible 3.3V)	28	TX_OUT5- : Single out mode (open)
14	+12VDC	29	TX_OUT4+ : Single out mode (open)
15	+12VDC	30	TX_OUT4- : Single out mode (open)