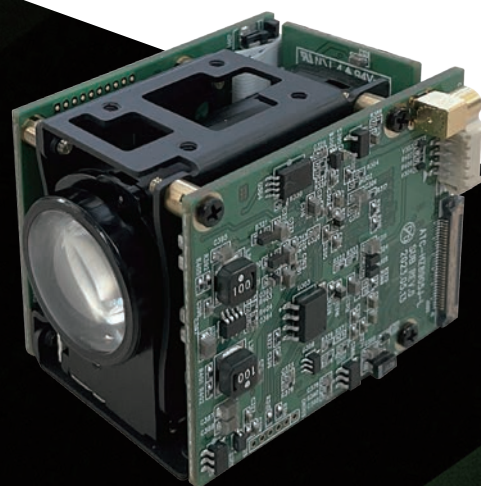


ATC 2MP High Resolution 5x Global Shutter Zoom Camera HZ8905J-L

LVDS / HD-SDI / EX-SDI(V1.0/ V2.0/ V2.1) / 3G-SDI(*) / CVBS



Features

- 1/3.1" Progressive Scan Global Shutter CMOS
- 60x AF Zoom (Optical 5x, Digital 12x)
- 1080p 60/50/30/25fps,
720p 60/50/30/25fps, 1080i 60/50fps
- True WDR
- 2D/3D DNR, Defog, DIS
- UART (VISCA, PELCO-D/P)

1/3.1"

CMOS

60/50fps
FHD

1080p

5x AF

ZOOM



DNR



MOTION


Global
Shutter

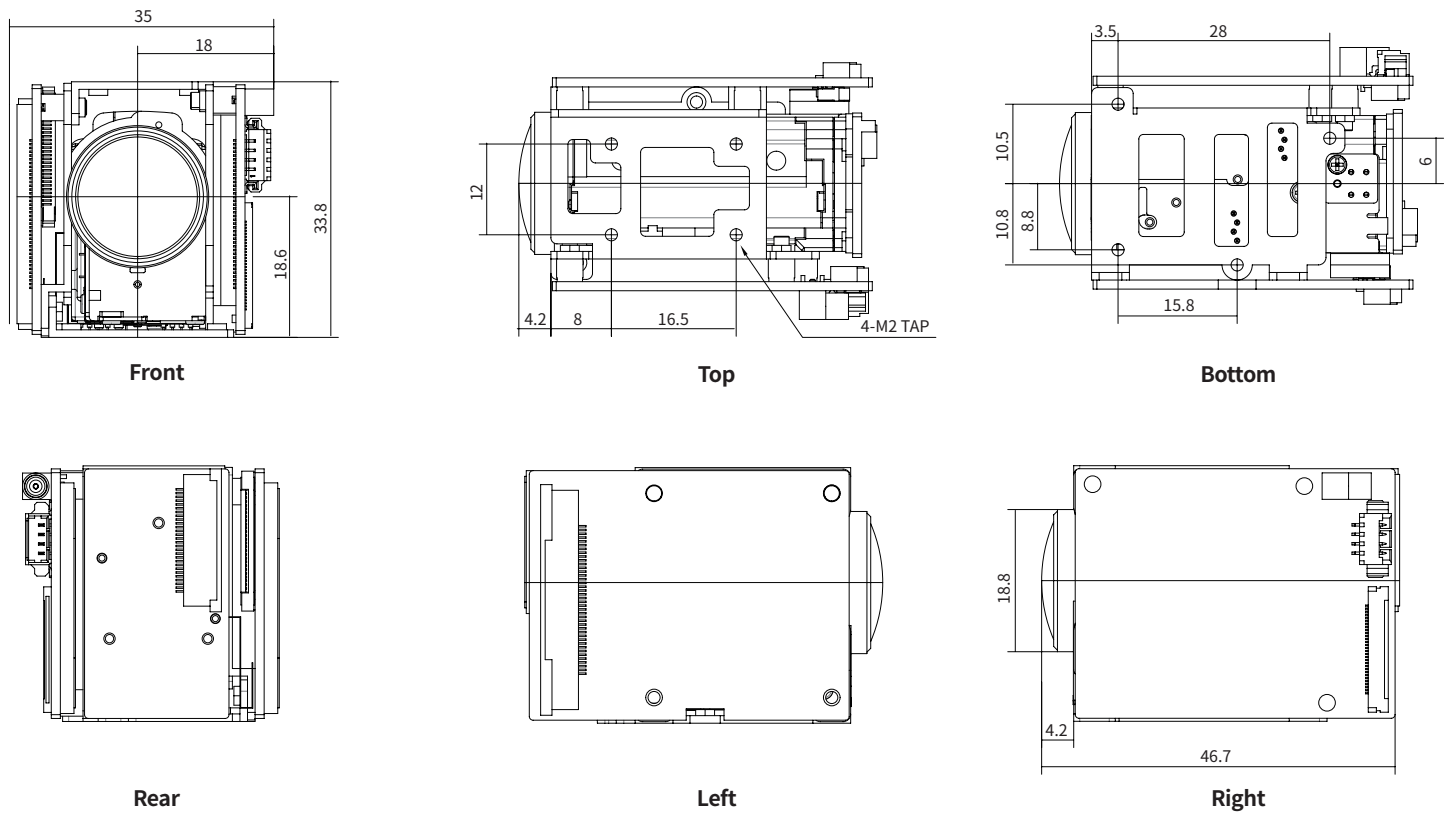
Specifications

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)/3G-SDI(*)/CVBS
	AVI/TVI/LVDS	LVDS
Max. Video Resolution		LVDS/HD-SDI/EX-SDI/3G-SDI(*):1080p@60(50fps)
Synchronization system		Internal
Min.Illumination		Day : 0.15Lux (F3.2) (Sens-up Off, AGC 48dB)
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)~F3.7(T)
	Angle of View	H 47°(W)~9.6°(T), V 27°(W)~5.5°(T)
Zoom ratio		Optical 5x / Digital 12x
Focus Min.Working Distance		0.01m(Wide)~0.5m(Tele)~∞
Focus Control		Auto/Interval/One Shot/Manual/Preset
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

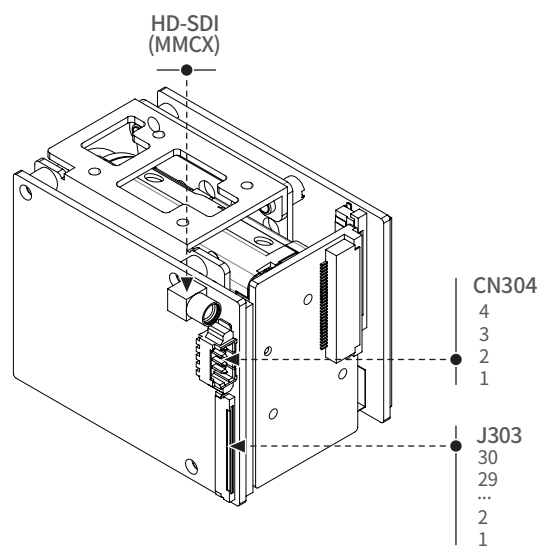
(*) 3G-SDI : Supported from firmware v 4.2.1 or later. Operation not guaranteed

Digital Image Stabilization		Off/On
Motion Detection		4 Zones
D-WDR		Off/Low/Middle/High
WDR		Off/On, Adjustable
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)
Position Preset		Non-volatile 192 position Presets(Zoom, Focus), 16-presets & custom preset
Language		English, Russian, Spanish, German, French, Portuguese, Chinese, Japanese
UART	Remote	+5.0V(option: +3.3V)
	Protocol	VISCA, PELCO-D/P: Auto Detection
	Baud rate	2400/4800/9600/19200/38400/57600/115200bps
Supply Voltage		12VDC(9V to 15VDC)
Power Consumption		Max.3.5W / Non-working zoom&focus 2.8W
Dimension(mm)		35x46.7x33.8mm
Weight		Approx.43g
Operating Temperature		0°C~+40°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(UART) / Molex: 53261-0471
1	POWER IN: +12VDC
2	GND
3	RXD: CMOS 3.3V Read Data
4	TXD: CMOS 3.3V Send Data

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

(*1) TXD/RXD

- 5 V : Default level
- 3.3 V : Available on request (factory option)
- RXD input : Accepts both 5 V and 3.3 V signals (tolerant)