

LVDS / Parallel / CVBS

ATC-HZ5625Z-LP

FHD 2.13MP High Resolution
25x Rolling Shutter Zoom Camera



features

- 1/2.8" Progressive Scan STARVIS CMOS
- 300x AF Zoom
(25x 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)

1/2.8"

CMOS

60/50fps
FHD

1080p

25x AF

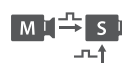
ZOOM



DNR



MOTION



External
sync



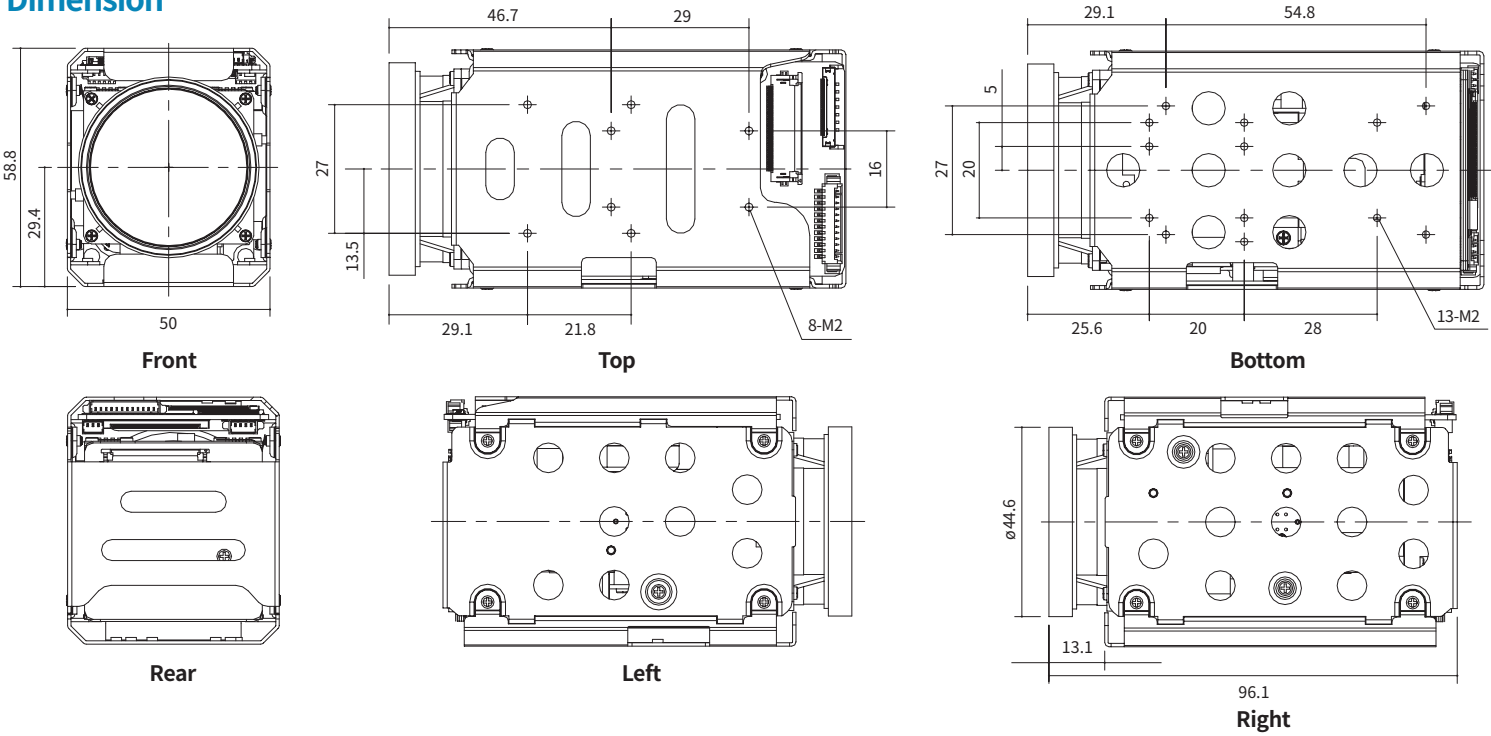
Rolling
Shutter

Specifications

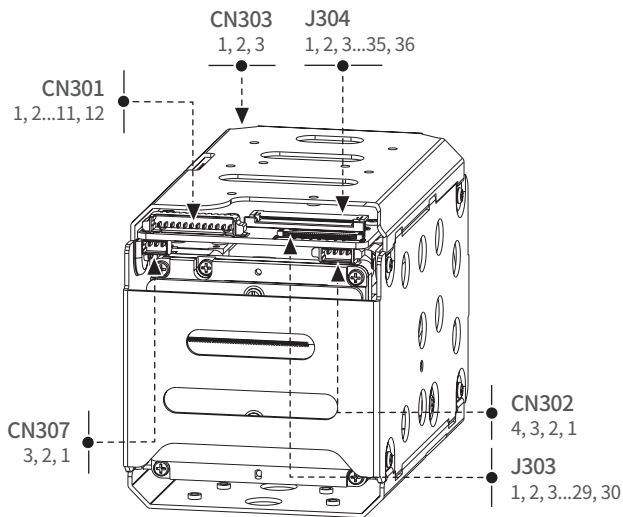
Image Sensor		1/2.8" Progressive Scan STARVIS CMOS
Effective Pixels		2.13MP 1945(H) x 1097(V)
Video Output Mode	Common	LVDS / Parallel / CVBS
Max. Video Resolution	LVDS/Parallel : 1080p@60(50fps)	
Synchronization system	Internal / External Option	
Min.Illumination	Day mode: 0.1Lux(F1.6) Night mode: 0.05Lux(F1.6/ IR-cut filter 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=5.3mm~130mm
	F-value	F1.6(W)~4.3(T)
	Angle of View	Horizontal 59°(W)~2.4°(T), Vertical 33.6°(W)~1.4°(T)
Zoom ratio	Optical 25x / Digital 12x	
Focus Min.Working Distance	0.1m(Wide)/1.5m(Tele)~∞	
Focus Control	Auto/Manual/Interval/One Push/Preset	
AE Mode	Auto/Shutter Priority/Iris Priority/ AGC Priority/Manual	
Brightness	0~14	
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)/External-H or L	
White Balance	AUTO/ATW/Indoor/Outdoor/One 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:0~29, Contrast:0~5, Bright:0~19)	
BLC	Off/On, Area selectable	
HLC	Off/On, Area selectable	
AGC	Max.72dB	
Sharpness	Adjustable(0~15)	
3D-DNR	Off/Auto/Low/Middle/High	
2D-DNR	Off/Auto/Low/Middle/High	
Defog	Off/On/Auto	
Preset	256 position Presets(Zoom,Focus), 16Memory Presets, Custom Preset	
Language	English	
UART	Remote	RS232 TTL +5.0V(+3.3V compatible)
	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.6.4W / Non-working zoom&focus 4.7W	
Dimension(mm)	50x58.8x96.1mm	
Weight	Approx.240g	
Operating Temperature	-10°C~+50°C, Humidity(Less than 90%)	
Storage Temperature	-20°C~+60°C, Humidity(Less than 90%)	
Remark		

Dimension



Pin Assignment



Pin no.	CN301(External I/O) / Molex : 53261-1271
1	Vsync_OUT
2	Hsync_OUT
3	VCLK_OUT
4	GND
5	Vsync_IN
6	Hsync_IN
7	VCLK_IN
8	GND
9	N/A
10	N/A
11	N/A
12	N/A

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)

Pin no.	CN307(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.	J303(Micro Co-Axial) / KEL Co. USL00-30L-C
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: CMOS 5.0V Send Data(Compatible 3.3V)
13	RXD: CMOS 5.0V Read Data(Compatible 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)

Pin no.	J304(FFC Connector) / Hirose : FH12-36S-05SH(55)
1	GND
2	Y_OUT[0]
3	Y_OUT[1]
4	Y_OUT[2]
5	Y_OUT[3]
6	GND
7	Y_OUT[4]
8	Y_OUT[5]
9	Y_OUT[6]
10	Y_OUT[7]
11	GND
12	C_OUT[0]
13	C_OUT[1]
14	C_OUT[2]
15	C_OUT[3]
16	GND
17	C_OUT[4]
18	C_OUT[5]
19	C_OUT[6]
20	C_OUT[7]
21	GND
22	VSYNC
23	HSYNC
24	GND
25	VCLK_OUT
26	GND
27	GND
28	GND
29	GND
30	GND
31	POWER IN: +12VDC
32	POWER IN: +12VDC
33	POWER IN: +12VDC
34	GND
35	TXD: CMOS 5.0V Send Data(Compatible 3.3V)
36	RXD: CMOS 5.0V Read Data(Compatible 3.3V)