

MC-S309

High Sensitivity 30x Zoom Module

LVDS EX-SDI CVBS

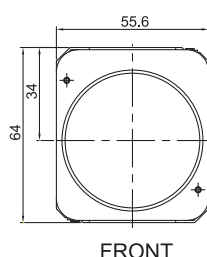


Features

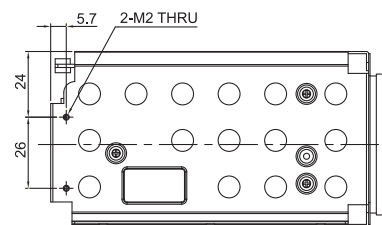
- 1/2" 2MP Sony CMOS sensor
- 1080p 60fps/30fps, 1080i 60fps, 720p 60fps/30fps
- 30x Optical Zoom(6mm~180mm) & 32x Digital Zoom
- F1.5(wide) ~ F4.3(tele)
- Day & Night(ICR)
- Real-time True WDR(DOL)
- Digital Noise Reduction(2D+3D)
- Digital Image Stabilization
- Privacy Mask Function
- High Light Compensation
- Intelligent Motion Detection
- Defog Function
- Supports VISCA, Pelco-D/P Protocol
- Video Out : LVDS, EX-SDI 1.0, EX-SDI 2.0, EX-SDI 2.1, CVBS

Dimensions

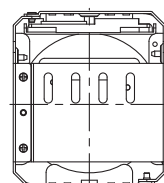
Unit : mm



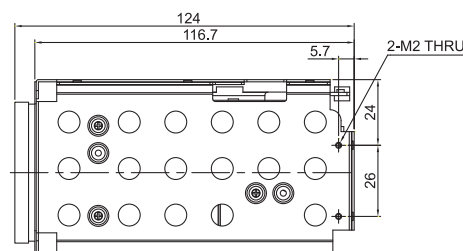
FRONT



LEFT SIDE

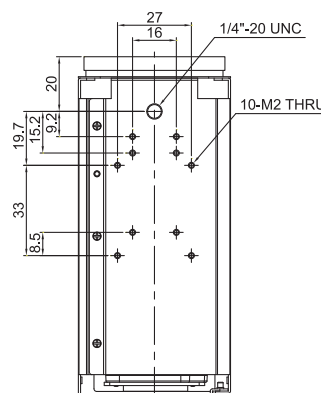
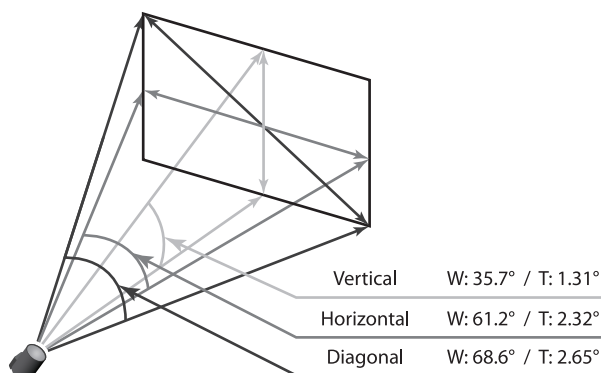


BACK

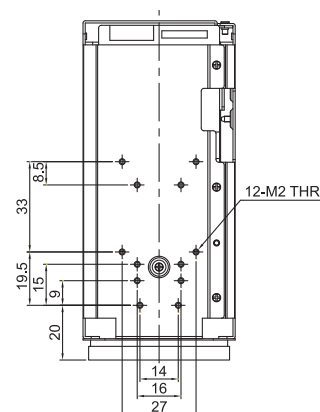


RIGHT SIDE

Field of View



BOTTOM



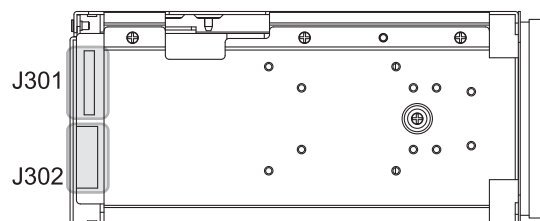
TOP

Specifications

MC-S309				
Image Sensor	1/2" Sony CMOS Sensor			
Total Pixels	1,952(H) x 1,113(V) = 2.17M Pixels			
Active Pixels	1,937(H) x 1,097(V) = 2.12M Pixels			
Scanning System	Progressive Scan			
Sync. System	Internal			
Resolution	Digital : 1080p/60(50)fps, 1080i60(50)fps, 1080p/30(25)fps,			
	720p/60(50)fps, 720p/30(25)fps			
	Analog : 700TVL			
Min. Illumination	Color(1/30s) : 0.01 lux, BW(1/30s) : 0.002 lux			
	Color DSS(1/1s) : 0.001 lux, BW DSS(1/1s) : 0.0002 lux			
Video Output	HD : LVDS, EX-SDI 1.0, EX-SDI 2.0, EX-SDI 2.1			
	Analog SD : CVBS			
S/N Ratio	more than 50dB(AGC off)			
Lens Type	30x Day & Night Zoom Lens			
Zoom Ratio	Optical 30x, Digital 32x Zoom			
Focal Length	f = 6.0 mm ~ 180.0 mm			
Aperture Ratio	F1.5 (wide) ~ F4.3 (tele)			
Angle Of View(D, H, V)	Wide	68.6°	61.2°	35.7°
	Tele	2.65°	2.32°	1.31°
AF Mode	Auto / One Push / Manual			
Min. Distance	0.1 / 1.5 / 3.0 / 5.0 / 10.0 m			
Lens Refresh	One Push / 1 ~ 10Day			
Digital Zoom	Off / MAX 2x ~ 32x			
Exposure	Auto / Iris.P / Shut.P / Manual			
Gain Control(AGC)	0 ~ 10 steps			
Shutter Speed	1/30(25) ~ 1/60,000 sec			
Iris	0 ~ 20 steps			
Digital Slow Shutter(DSS)	Off / 2x / 4x / 8x / 16x / 32x / (64x : 60 or 50 fps mode only)			
Brightness	0 ~ 20 steps			
WDR/BLC	Off / WDR / BLC			
Day&Night	Auto / Day / Night / Ext-in			
White Balance	Auto / One Push / Manual / Indoor / Outdoor / Auto-Ext			
HLC	Off / On / Night Only			
DNR	Auto / Off / Low / Middle / High			
Mirror	Off / H / V / H&V			
Sharpness	0 ~ 10 steps			
ACE	Off / Low / Middle / High			
Defog	Off / On(Auto / Manual)			
Privacy Mask	Max. 24 Areas			
Motion Detection	Max. 3 Areas			
Defect Detection	Off / On			
System	NTSC / PAL			
Communication	Baud Rate : 2400 / 4800 / 9600 / 19200 / 38400 / 57600 / 115200			
	Protocol : VISCA / Pelco-D / Pelco- P / Update			
Language	English / Simplified Chinese / Traditional Chinese / Japanese			
Power Source	9V to 15V DC			
Power Consumption	500mA			
Power Input	Connector			
Video Output	Connector			
Storage Temperature	-20℃ ~ +60℃ (Humidity : 0%RH ~ 90%RH)			
Operating Temperature	-10℃ ~ +50℃ (Humidity : 0%RH ~ 90%RH)			
Dimensions	55.6(W) x 64(H) x 124(D)			
Weight	400g			

* Design and specifications are subject to change without notice.

Pin Assignment



J301		J302	
1	TXOUT3+	1	GND
2	TXOUT3-	2	TxD
3	TXCLKOUT+	3	RxD
4	TXCLKOUT-	4	TWI_SCL
5	TXOUT2+	5	GND
6	TXOUT2-	6	TWI_SDA
7	TXOUT1+	7	GND
8	TXOUT1-	8	ADKEY
9	TXOUT0+	9	NC
10	TXOUT0-	10	D/N-IN
11	GND	11	NC
12	TxD	12	MD-OUT
13	RxD	13	RS 485-DIR
14	DC+12V IN	14	NC
15	DC+12V IN	15	GND
16	DC+12V IN	16	DC+5V OUT
17	DC+12V IN	17	GND
18	DC+12V IN	18	VBS-OUT
19	GND	19	GND
20	GND	20	DC+12V IN
21	TXOUT7+	21	DC+12V IN
22	TXOUT7-	22	DC+12V IN
23	TXOUT6+	23	DC+12V IN
24	TXOUT6-	24	DC+12V IN
25	EXSDI+	Ref 05002HR-24J05(YEONHO)	
26	EXSDI-		
27	TXOUT5+		
28	TXOUT5-		
29	TXOUT4+		
30	TXOUT4-		

Ref USL00-30L-C(KEL Cop.)