

1080p 60fps High Definition 20x Zoom Module

LVDS EX-SDI CVBS

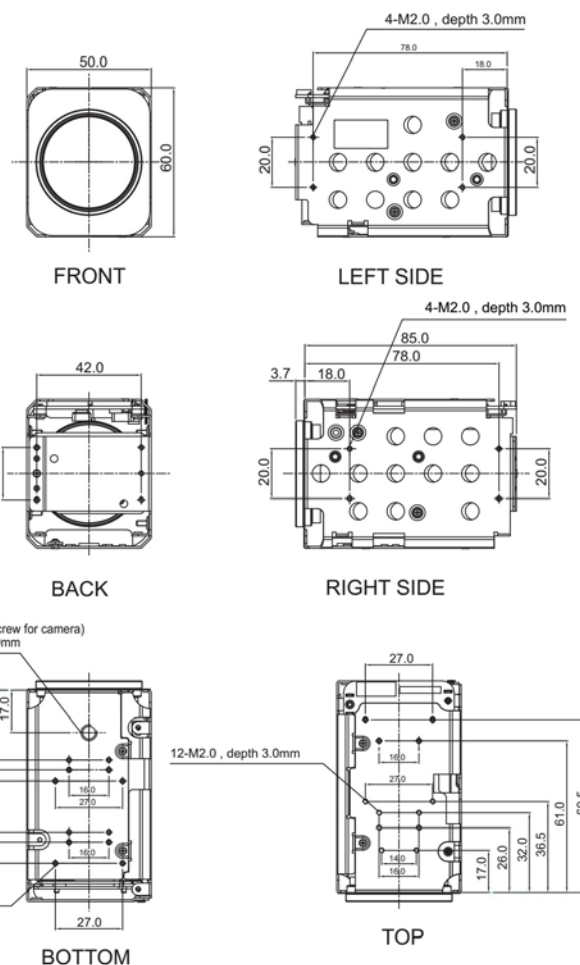
1/3"	60fps Full HD	Digital Signal	OVER 300m	30fps REAL
CMOS	1080p	LVDS	EX-SDI	WDR
AF	x20	3D	DSS	MOTION
ZOOM	ZOOM	DNR		



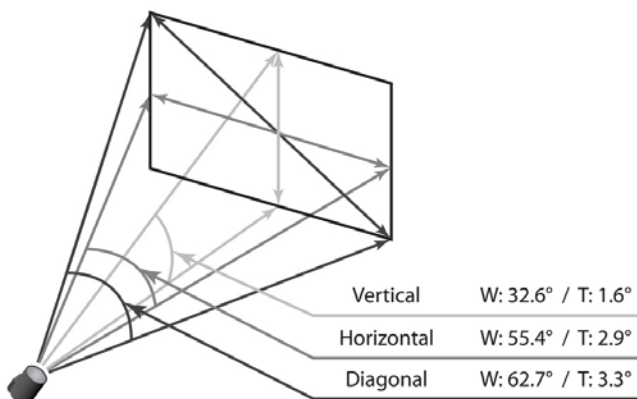
- High Definition 20x Zoom Modul
- 1080/60p,1080/50p,1080/30p,1080/25p
- 720/60p,720/50p,720/30p,720/25p
- 1/3" type CMOS imager
- 2,12M effective pixels
- 20x Optical Zoom 4.7 – 94mm
- 32x Digital Zoom
- HD Output LVDS, EX-SDI
- SD Output VBS
- Day & Night (ICR)
- Advanced 2D and 3D noise reduction
- Digital Image Stabilizer
- Minimum Illumination 0.125lx
- VISCA, Pelco-D, Pelco-P protocol
- Programmable factory preset
- High Performance Digital Signal Processor
- Various customizable settings
- Electronic Shutter / Slow Shutter
- Picture Freeze Function
- Spot AE

Dimensions

Unit: mm



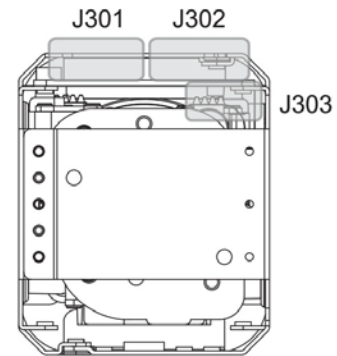
Field of View



Zoom Kamera 20Z20L

Spesifikasi

Image Sensor	1/3" Panasonic CMOS Sensor			
Totale Pixel	1956 (H) x 1266 (V) = 2.48M Pixels			
Active Pixels	1944 (H) x 1092 (V) = 2.12M Pixels			
Scanning System	Progressive Scan			
Sync. System	Internal			
Resolution	Digital : 1080p/60(50)fps, 1080p/30(25)fps, 720p/60(50)fps, 720p/30(25)fps			
	Analog : 700TVL			
Min. Illumination	Color : 0.5 lux , BW : 0.1lux			
	Color DSS : 0.125 lux , BW DSS : 0.025 lux			
Video Output	HD : LVDS, EX-SDI			
	Analog SD : VBS(without WDR)			
S/N Ratio	more than 50dB (AGC off)			
Lens Type	x20 Day & Night Zoom Lens			
Zoom Ratio	Optical x20, Digital x32 Zoom			
Focal Length	f = 4.7mm ~ 94.0mm			
Aperture Ratio	F1.6(wide) ~ F3.5(tele)			
Angle Of View(D, H, V)	Wide	62.7°	55.4°	32.6°
	Tele	3.3°	2.9°	1.6°
Focus	Mode / Distance / Zoom Speed / Lens Refresh / E.Zoom			
Mode	Auto / One Push / Manual			
Distance	0.1 / 1.0 / 3.0 / 6.0 / 10.0 m			
Lens Refresh	One Push / 1 ~ 10Day			
Digital Zoom	Off / MAX x2 ~ x32			
Exposure	Auto / Iris.P / Shut.P / Manual			
Gain Control(AGC)	Off / On			
Shutter Speed	1/30(25) ~ 1/30,000 sec			
Iris	0 ~ 20			
Digital Slow Shutter(DSS)	Off / x2 / x4(x8 : 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			
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	Off / 24 positions			
Motion Detection	Off / 3 positions			
Defect Detection	Off / On			
System	NTSC / PAL			
HD Format	1080p/30(25)fps / 1080p/60(50)fps / 720p/30(25)fps / 720p/60(50)fps			
Communication	Baud Rate : 2400 / 4800 / 9600 / 19200 / 38400 / 57600 / 115200			
	Protocol : VISCA / Pelco-D / Pelco- P / Update			
Language	English / Simplified & Traditional Chinese / Japanese			
Power Source	9V to 15V DC			
Power Consumption	500mA			
Power Input	Connector			
Video Output	Connector			
Storage Temperature	-20°C ~ +60°C (Humidity : 0%RH ~ 90%RH)			
Operating Temperature	-10°C ~ +50°C (Humidity : 0%RH ~ 90%RH)			
Dimensions	50(W) x 60(H) x 88(D)			
Weight	250g			



J301	
1	TXOUT3+
2	TXOUT3-
3	TXCLKOUT+
4	TXCLKOUT-
5	TXOUT2+
6	TXOUT2-
7	TXOUT1+
8	TXOUT1-
9	TXOUT0+
10	TXOUT0-
11	GND
12	TxD
13	RxD
14	DC IN
15	DC IN
16	DC IN
17	DC IN
18	DC IN
19	GND
20	GND
21	TXOUT7+
22	TXOUT7-
23	TXOUT6+
24	TXOUT6-
25	EXSDI+
26	EXSDI-
27	XOUT5+
28	TXOUT5-
29	TXOUT4+
30	TXOUT4-

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

J302	
1	GND
2	TxD
3	RxD
4	NC
5	GND
6	NC
7	GND
8	ADKEY
9	NC
10	D/N-IN
11	NC
12	MD-OUT
13	485-DIR
14	F/W_SEL
15	GND
16	+5V
17	GND
18	VBS-OUT
19	GND
20	DC IN
21	DC IN
22	DC IN
23	DC IN
24	DC IN

Ref 05002HR-
24J05(YEONHO)

J303	
1	GND
2	VBS-OUT

Ref 12505WR-
02(YEONHO)

JenCam