

EC-101

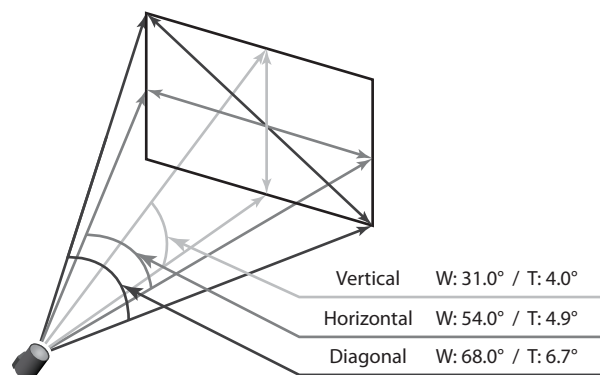
960H 10x Zoom Module



Features

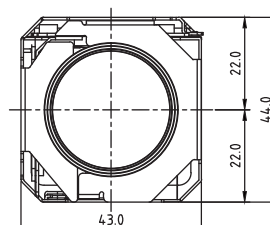
- 1/3" 1.4MP SONY CMOS Sensor
- 10x Optical Zoom(5.1~51mm) & 32x Digital Zoom
- High Resolution 800 TV lines
- Day & Night(ICR)
- WDR(Wide Dynamic Range)
- DNR(Digital Noise Reduction: 2D + 3D)
- Privacy Mask Function
- High Light Compensation
- Intelligent Motion Detection
- Defog
- Supports VISCA, Pelco-D/P Protocol

Field of View

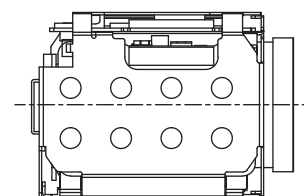


Dimensions

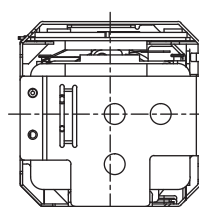
Unit : mm



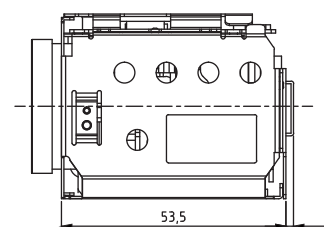
FRONT



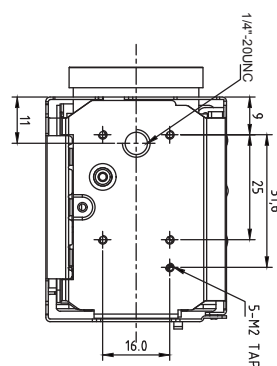
LEFT SIDE



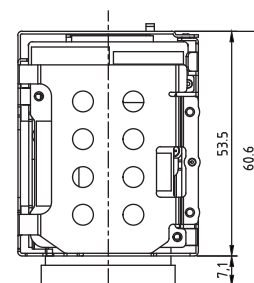
BACK



RIGHT SIDE



BOTTOM



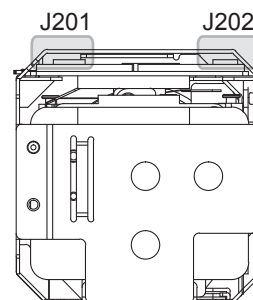
TOP

Specifications

EC-101				
Image Sensor	1/3" Sony CMOS Sensor			
Total Pixels	1,312 (H) x 1,069 (V) = 1.4M Pixels			
Activepixels	1,296 (H) x 1,041 (V) = 1.35M Pixels			
Scanning system	Progressive Scan			
Sync. System	Internal			
Resolution	Analog : more than 800TVL			
Min. illumination	Color : 1.0 lux, BW : 0.5lux, Color DSS : 0.002 lux, BW DSS : 0.001 lux			
Video Output	Analog : NTSC, PAL			
S/N Ratio	more than 50dB (AGC off)			
Lens type	10x Day & Night Zoom Lens			
Zoom Ratio	Optical 10x, Digital 32x Zoom			
Focal Length	f = 5.1mm ~ 51mm			
Aperture Ratio	F1.6 (wide) ~ F1.8 (tele)			
Angle of View(D,H,V)	Wide	68°	54°	31°
	Tele	6.7°	4.9°	4.0°
AF Mode	Auto / One Push / Manual			
Min. Distance	0.1 / 1.0 / 3.0 / 5.0 / 10.0 m			
Lens Refresh	One Push / 1 ~ 10Day			
E.Zoom	Off / MAX 2x ~ 32x			
Exposure	Auto / Iris.P / Shut.P / Manual			
Gain Control(AGC)	Off / On			
Shutter Speed	1/60(50) ~ 1/60,000 sec			
Iris	0 ~ 20 steps			
Digital Slow Shutter(DSS)	Off / Max 2x ~ 4x			
Brightness	0 ~ 20 steps			
WDR/BLC	OFF / WDR / BLC			
Day & Night	Day / Night / Auto / Ext-in			
White Balance	Auto / One Push / Manual / Indoor / Outdoor			
HLC	Off / On / Night			
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	One Push			
System	NTSC / PAL			
Communication	Baud Rate : 2400 / 4800 / 9600 / 19200 / 38400 / 57600 / 115200			
	Protocol : VISCA / Pelco-D / Pelco-P / Update			
Disp Sel	ID / Title / Zoom Ratio / System Message			
OSD Text	0 ~ 9 , A ~ Z , a ~ z			
Power Source	9V to 15V DC			
Power Consumption	250mA			
Power Input	Connector			
Video Output	Connector			
Storage Temperature	-20°C~ +60°C(Humidity : 0%RH ~ 90%RH)			
Operating Temperature	-5°C~ +50°C(Humidity : 0%RH ~ 90%RH)			
Dimensions	43(W)x44(H)x61(D)			
Weight	112g			

* Design and specifications are subject to change without notice.

Pin Assignment



J201	
1	RxD
2	TxD
3	GND
4	DC+12V IN
5	GND
6	VIDEO
7	GND
8	NC
9	GND

Ref 00-6200-509-130
(KYOCERA ELCO)

J202	
1	DC+12V IN
2	DC+12V IN
3	GND
4	RxD
5	TxD
6	GND
7	VIDEO
8	GND
9	DC+5V OUT
10	TYPE SEL
11	485-DIR
12	MD OUT
13	D&N OUT
14	AD KEY
15	D&N IN
16	FAR
17	NEAR
18	WIDE
19	TELE
20	SET

Ref 52689-2087(MOLEX)