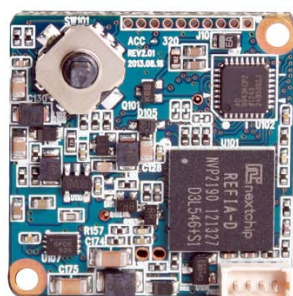
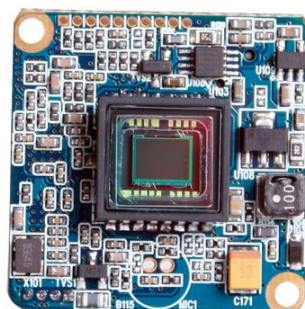


ACC-3230

CCD VIDEO MODULE



Main Features

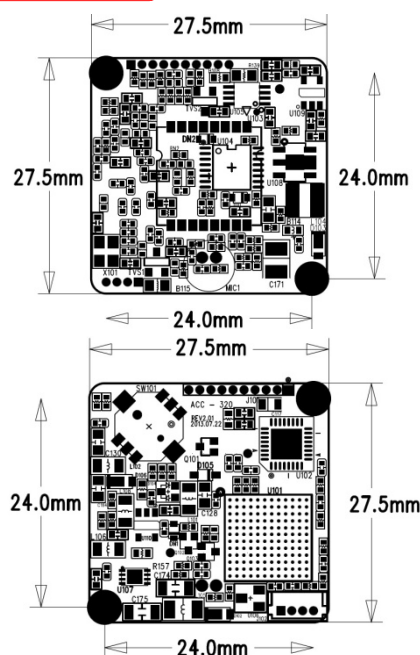
- 1/3" 960H Sony Interline Super HAD CCD II
- 520K Pixels (700 TV Lines)
- Mountable Lens: Fixed, Pinhole, Manual VF Lens (Case lens holder)
- Audio (ACM-3230A)
- Built-in OSD Switch
- 3D-DNR / DSS (Sens-up)
- Wide Voltage Range for Operation: DC5~12V
- CCD Video Module (28x28 type)



Specifications

Model	ACC-3230N / ACC-3230AN	ACC-3230P / ACC-3230AP
Signal System	NTSC	PAL
Pickup Device	1/3"(D-6mm) 960H SONY Super HAD CCD II	
Scanning System	2:1 Interlace	
Sync. System	Internal	
Total Pixels	520K [1020(H)x508(V)]	610K [1020(H)x596(V)]
Effective Pixels	480K [976(H)x494(V)]	570K [976(H)x582(V)]
Scanning Frequency	59.94Hz(VD)	50Hz(VD)
Min. Illumination	0.1Lux(Day), 0.0002Lux(DSS on)	
H-Resolution	700TV Lines(H)	
S/N Ratio	More than 52dB (AGC off)	
Lens	Fixed IRIS Lens (Board, Pinhole, Manual VF)	
Lens (Mount)	through Lens holder on Miniature Case (M12)	
OSD	via 5-direction Tact-switch	
Camera Title	Off, On(Max. 15 Characters)	
Language	English, Korean, Japanese, Chinese (Simplified), Chinese(Traditional), Russian, French, Spanish, Italian, Portuguese, German, Dutch, Polish, Turkish, Hebrew, Arabic	
Exposure	AE, Manual	
White Balance	AWB, ATW, AWC->SET, MANUAL	
BLC	DWDR, BLC, HSBLC	
Day & Night Mode	AUTO, COLOR, B/W	
Gain Control	AGC (OFF, LOW, MIDDLE, HIGH)	
Electronic Shutter	1/60~1/100,000sec	1/50~1/100,000sec
DSS (Sens-up)	Off, On(Max. x256)	
Noise Reduction	SMART 3D-DNR	
Mirror	Off, On(MIRROR, V-FLIP, ROTATE)	
Other Features	MOTION (4 Zones), PRIVACY (8 Zones), F-DNR(De-fog), D-Zoom(Max. x32), DIS, FREEZE, NEG. IMAGE, LENS SHADING	
Microphone	Available (Option: ACC-3230A)	
Signal Output	1.0 Vp-p Composite (75Ω)	
Power Source	DC5~12V	
Power Consumption	Less than 1.5Watts (100mA@DC12V)	
Operating Temp.	-10℃ ~ 55℃ (Humidity :0%RH ~ 90%RH)	
Size (mm)	28x28	
Weight	5.5 g (Including OLPF)	

Dimension



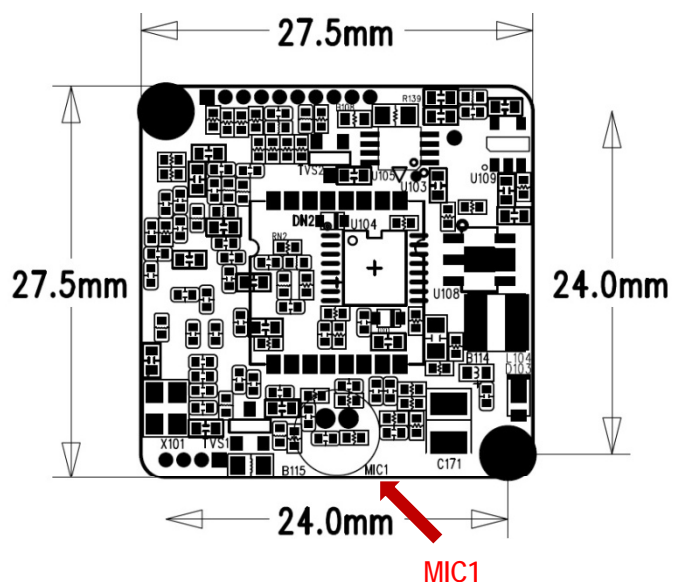
Option

- Audio (ACC-3230A)
- Relative models
 - **ACC-320:** 1/3" 960H Sony Ex-View HAD CCD II

ACC-3230

CCD VIDEO MODULE

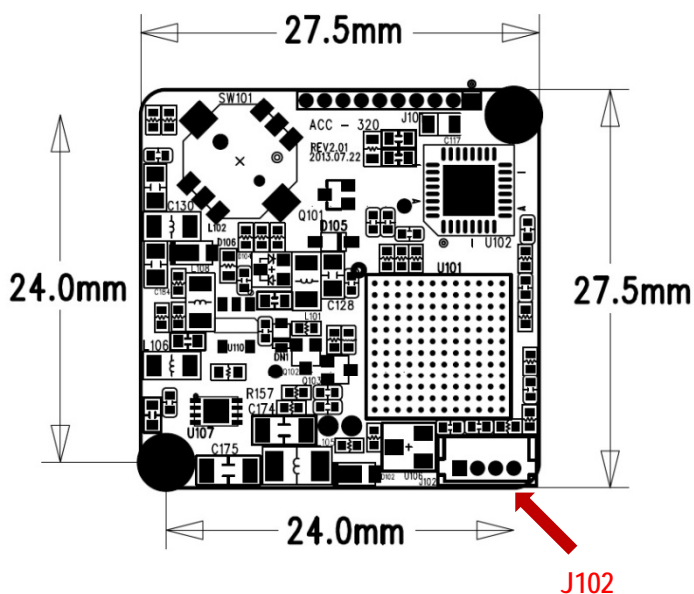
Pin Connections



MIC 1 - Audio



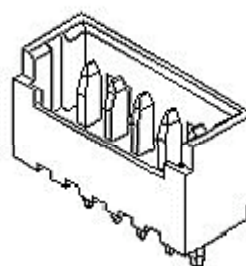
No.	Pin Item	No.	Pin Item
1	MIC IN / GND	2	GND / MIC IN



J102



No.	Pin Item	No.	Pin Item
1	AUDIO OUT	2	VIDEO
3	GND	4	VCC (DC5~15V)



Wafer DIP type: 1.25mm pitch – 4 pin
 Manufacturer: **Molex**
 MFG Part Number: **53047-0410**