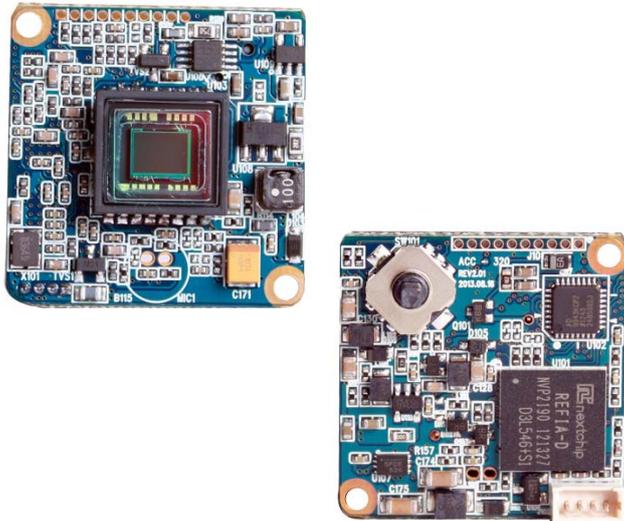


ACC-3230

CCD VIDEO MODULE



Main Features

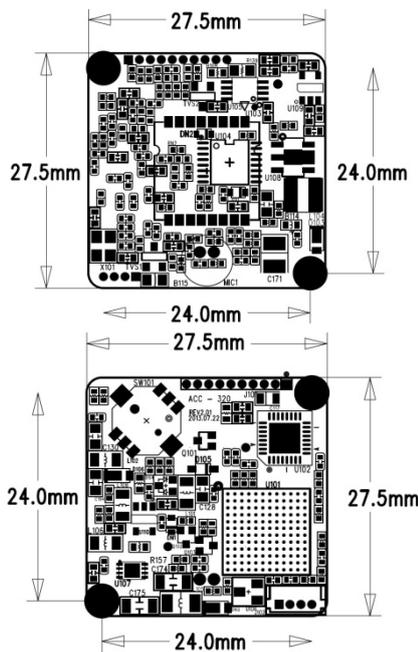
- 1/3" 960H Sony Interline Super HAD CCD II
- 520K Pixels (700 TV Lines)
- Mountable Lens: Fixed, Pinhole, Manual VF Lens (Case lens holder)
- Audio (ACM-3230A)
- Built-in OSD Switch
- 3D-DNR / DSS (Sens-up)
- Wide Voltage Range for Operation: DC5~12V
- CCD Video Module (28x28 type)



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°C ~ 55°C (Humidity :0%RH ~ 90%RH) | |
| Size (mm) | 28x28 | |
| Weight | 5.5 g (Including OLPF) | |

Dimension



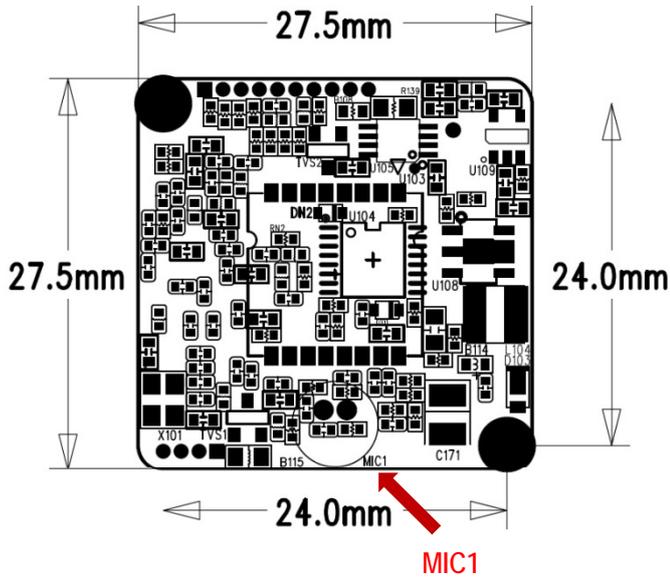
Option

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

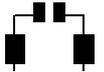
ACC-3230

CCD VIDEO MODULE

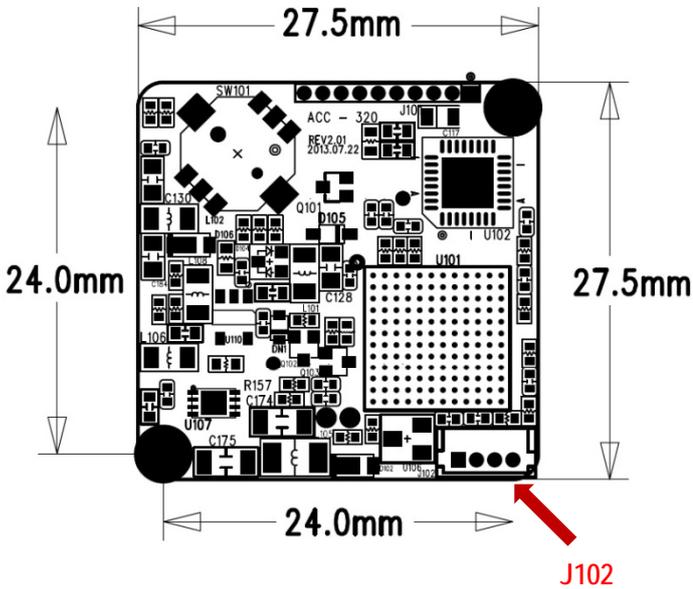
Pin Connections



MIC 1 - Audio



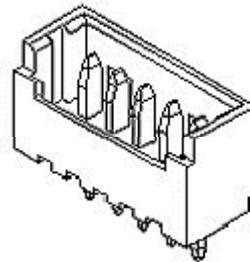
| No. | Pin Item | No. | Pin Item |
|-----|--------------|-----|--------------|
| 1 | MIC IN / GND | 2 | GND / MIC IN |



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**