



Stingray F-201



- Versatile 2 MP camera
- Advanced feature set
- Many variants
- Excellent image quality

Description

High performance UXGA (2 Megapixel) IEEE 1394b FireWire camera

The Stingray F-201B/F-201C is equipped with the Sony Super HAD CCD ICX274 sensor. At full resolution, it runs at 14 frames per second. Higher frame rates can be reached by using a smaller area of interest (AOI), binning (b/w) or sub-sampling.

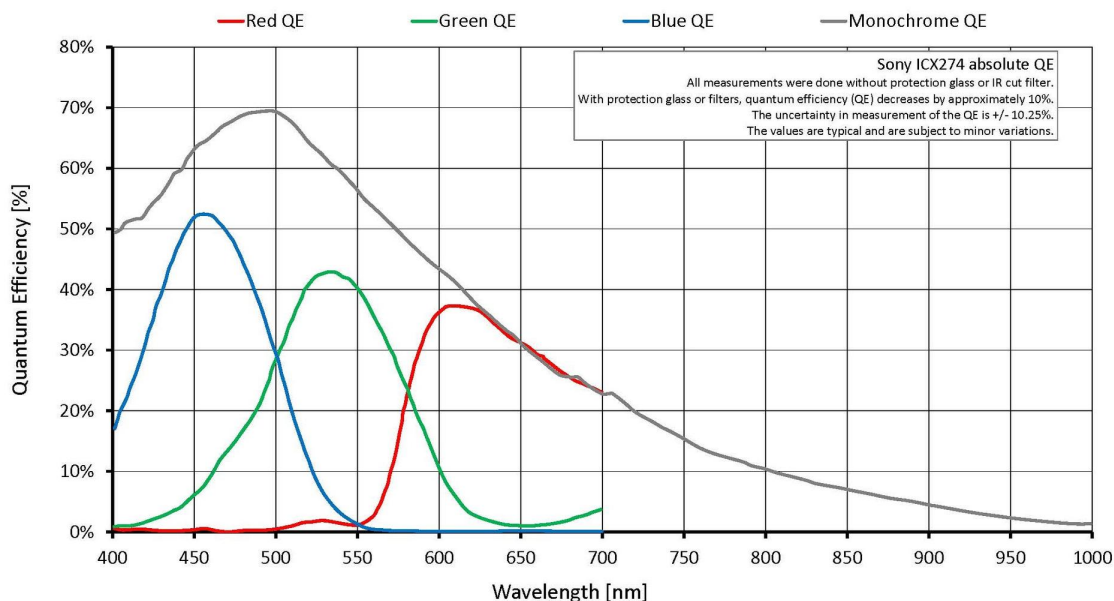
Options:

- IEEE 1394b connectors: 2 x copper (daisy chain), Hirose power: out
- Various IR cut/pass filters, various lens mounts
- Angled head, board level version, white medical housing

Specifications

| | |
|--------------------|---|
| Stingray | F-201 |
| インターフェイス | IEEE 1394b - 800 Mb/s, 2 ports, daisy chain |
| 解像度 | 1624 (H) × 1234 (V) |
| センサー | Sony ICX274 |
| Sensor type | CCD Progressive |
| センサーサイズ | Type 1/1.8 |
| ピクセルサイズ | 4.4 μm × 4.4 μm |
| レンズマウント (標準搭載) | C-Mount |
| フレームレート (フル解像度) | 14 fps |
| ADC | 14 bit |
| Image buffer (RAM) | Up to 128 MByte |
| | Output |
| Bit depth | 8-14 bit |

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| Stingray | F-201 |
| ビデオフォーマット(Mono) | Mono8, Mono12, Mono16 |
| ビデオフォーマット(RGB) | RGB8 |
| ビデオフォーマット(Raw) | Raw8, Raw12, Raw16 |
| General purpose inputs/outputs (GPIOs) | |
| Opto-isolated I/Os | 2 inputs, 4 outputs |
| RS232 | 1 |
| Operating conditions/dimensions | |
| Operating temperature | +5 °C to +45 °C |
| Power requirements (DC) | 8 V to 36 V |
| 消費電力 | <4 W (@ 12 VDC) |
| Mass | 92 g |
| Body dimensions (L × W × H in mm) | 72.9 × 44 × 29 (including connectors) |
| Regulations | CE: 2014/30/EU (EMC), 2011/65/EU (RoHS); FCC Class B |



Features

- High SNR mode (up to 24 dB better signal-to-noise ratio)
- Low-noise binning mode
- Shading correction
- Defect pixel correction
- Area of interest (AOI), separate AOI for auto features
- Binning



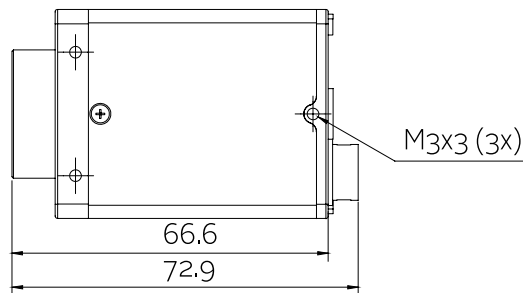
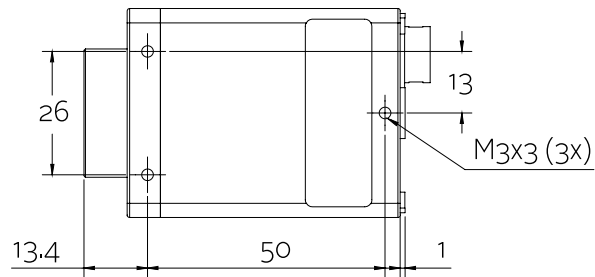
- Sub-sampling
- Auto gain (manual gain control: 0 to 24.4 dB)
- Auto exposure (48 μ s to 67 s)
- Auto white balance
- Look-up table (LUT)
- Hue, saturation
- Color correction
- Local color anti-aliasing
- Reverse X/Y
- Deferred image transport
- Trigger programmable, level, single, bulk, programmable delay
- Sequence mode (changes the camera settings on the fly)
- SIS (secure image signature, time stamp for trigger, frame count etc.)
- Storable user sets

Scope of delivery

- Camera and IEEE 1394b cable (other configurations on request)

Technical drawing

2 x 1394b copper





Applications

The Stingray F-201B/F-201C is a high performance UXGA (2 Megapixel) IEEE 1394b camera with excellent image quality. Amongst others, this camera is suitable for:

- Industrial inspection and automation
- Logistics
- Science and research
- Intelligent traffic systems (ITS)
- Healthcare and medical (white housing available)
- Multimedia, entertainment and sports

Additionally, it is ideally suited for:

- Demanding OEM camera applications (board level versions with separate sensor board available on request)
- Daisy chaining (two copper connectors)