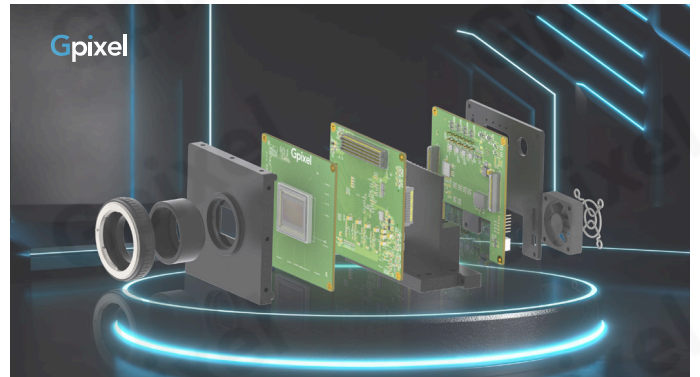
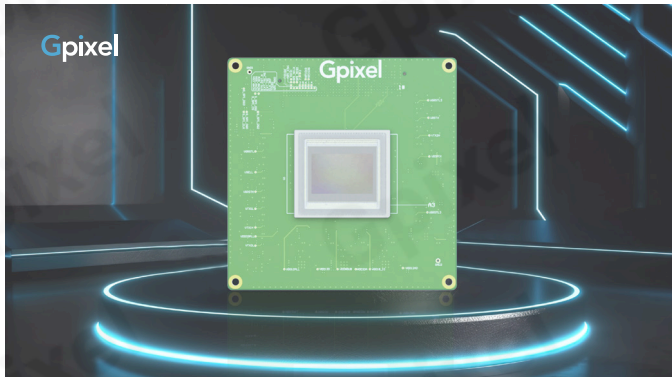




GSPRINT5514BSI Evaluation Kit

General Description

Gpixel's evaluation platform, featuring either CoaXPress 2.0 or USB3 interface, is designed for an easy and accurate evaluation of the GSPRINT5514BSI high speed CMOS sensor. Its form factor, the GenICam compatibility and external triggering options provide flexible setup options in both lab and industrial environments. The high-speed CoaXPress interface / USB3 ensures a smooth, real-time imaging experience.



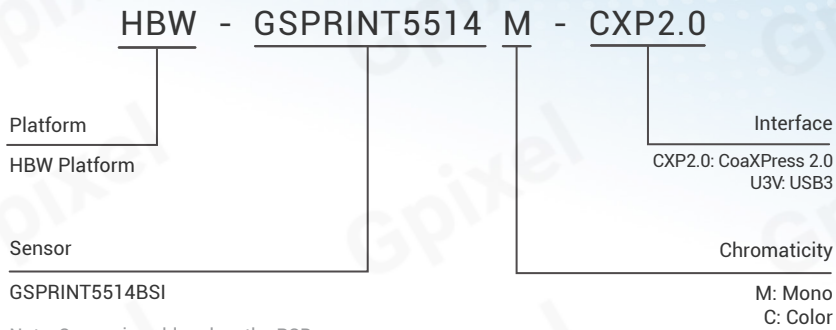
Key Features

- CoaXPress2.0 Interface/ USB3 interface
- Raw Image Output
- 10/12-bit Modes
- Normal, Binned or Windowed Readout
- GenICam Compatible
- User-friendly Form Factor
- M42- and F-mount

Specifications

| Item | Description |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor | GSPRINT5514BSI |
| Output Interface | CoaXPress 2.0/USB3 |
| Resolution (H x V) | 4608 x 3072 |
| Frame Rates | Normal: 253fps(10b)/217fps(12b) @CoaXPress 2.0 17fps(10b)/10fps(12b) @USB3 Binned:614fps(10b)/327fps(12b) @CoaXPress 2.0 67fps(10b)/38fps(12b) @USB3 High Speed:282fps(10b)(only CoaXPress 2.0) HDR:5fps(12b)(only USB3) |
| Exposure Time | 4μs ~ 49.99s |
| Pixel Bit Depth | 10/12-bit |
| HDR | Support 16 bit HDR composition (only USB3) |
| Trigger Mode | External / Free Running |
| Lens Mount | M42-mount or F-mount |
| Power Supply | 10V~25V |
| Power Consumption | Typical 25.6W@12V DC @CoaXPress 2.0 Typical 14.8W@12V DC @USB3 |
| Operating Temperature | 0-50°C |

Ordering Information



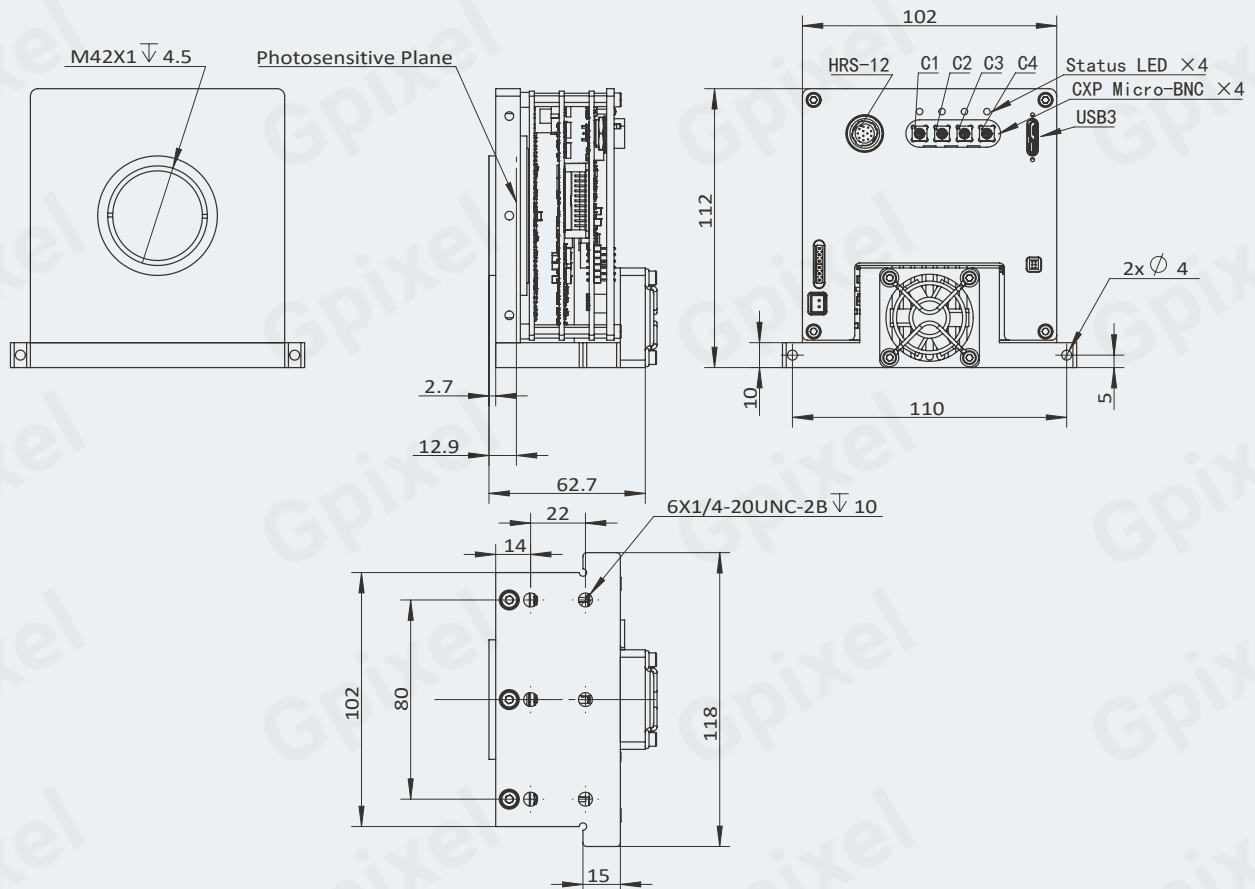
Note: Sensor is soldered on the PCB

Evaluation Kit Includes

- Evaluation module
- Power cable with DC plug and trigger
- Extension ring M42 to M42-19.5mm
- F-mount adapter, 15mm
- Power adapter
- DC plug adapter 2.1mm to 2.5mm
- USB Cable Type-A to Micro-B (only USB3 Interface)

Note: a CXP2.0 frame grabber and four CXP cables are required to use this evaluation kit.

Mechanical Drawing



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