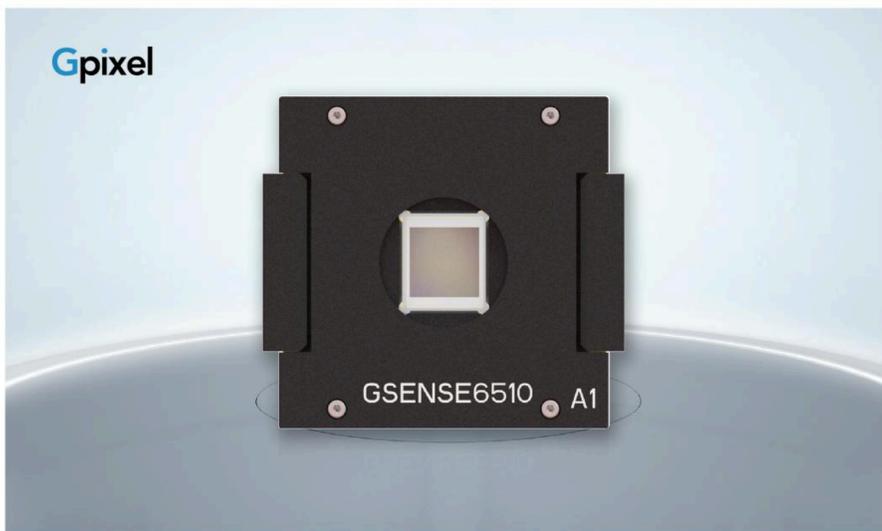


GSENSE6510BSI Evaluation Kit

General Description

Gpixel's USB3-based evaluation platform is ideal for an easy and accurate evaluation of the GSENSE6510BSI image sensor. Its form factor and GenICam compatibility provide flexible setup options in both lab and industrial environments. The high-speed USB interface ensures a smooth, real-time imaging experience.



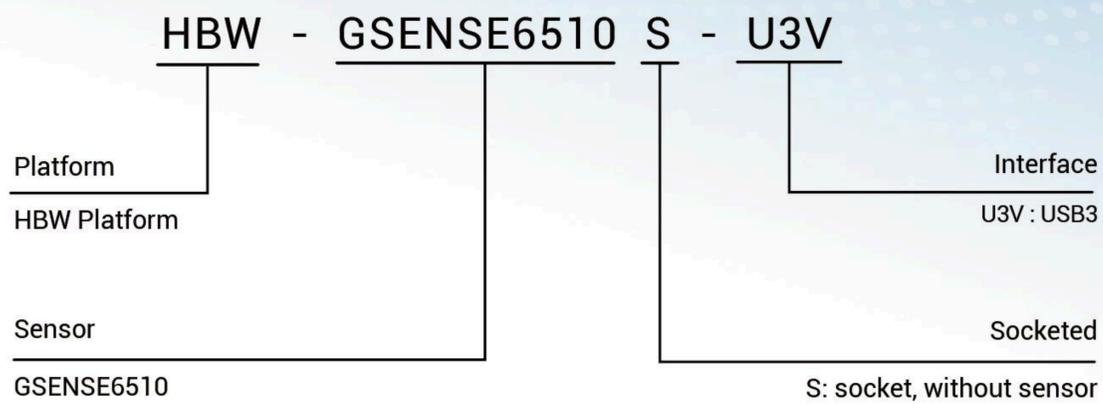
Key Features

- USB3 Interface
- Raw Image Output
- STD or HDR Output
- Min. noise: $0.7e^-$ @ 12-bit CMS mode
- GenICam Compatible
- User-friendly Form Factor
- M42-mount or F-mount

Specifications

Item	Description
Sensor	GSENSE6510BSI
Output Interface	USB3
Resolution (H x V)	3200 x 3200
Frame Rates	88fps @ 12bit_STD_Mode / 166fps @ 11bit_STD_Mode / 83fps @ 11bit_HDR_Mode / 498fps @ 8bit_STD_Mode
Exposure Time	2 μ s ~ 49.9s
Pixel Bit Depth	8/11/12-bit
HDR	Support 16 bit HDR composition
Trigger Mode	External / Free Running
Shutter Mode	Rolling / Global Reset
Lens Mount	M42-mount or F-mount
Power Supply	10V~25V
Power Consumption	Typical 13.2W @ 12V DC
Operating Temperature	0-50°C

Ordering Information

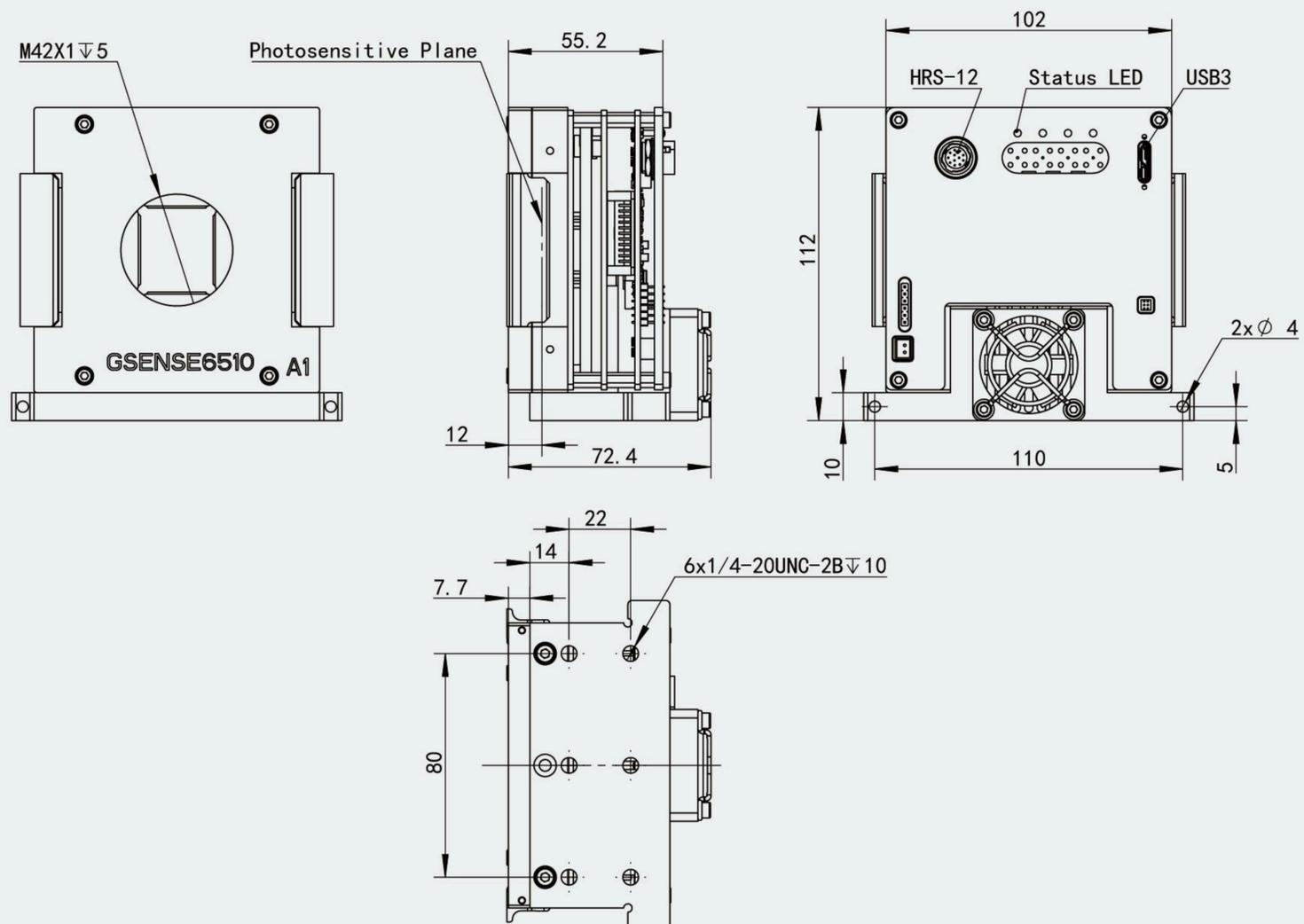


Evaluation Kit Includes

- Evaluation module
- Power cable with DC plug and trigger
- USB cable type-A to micro-B
- Extension ring M42 to M42-19.5mm
- F-mount adapter, 15mm
- Power adapter
- DC plug adapter 2.1mm to 2.5mm

Note: The sensor is not included in evaluation module.

Mechanical Drawing



Contact Gpixel HQ

Add: Building #5, Optoelectronic Information Industrial Park, #7691 Ziyou Road, Changchun, Jilin, China.

Tel: +86-0431-85077785
Email: info@gpixel.com
Website: www.gpixel.com

Revision 20240701

