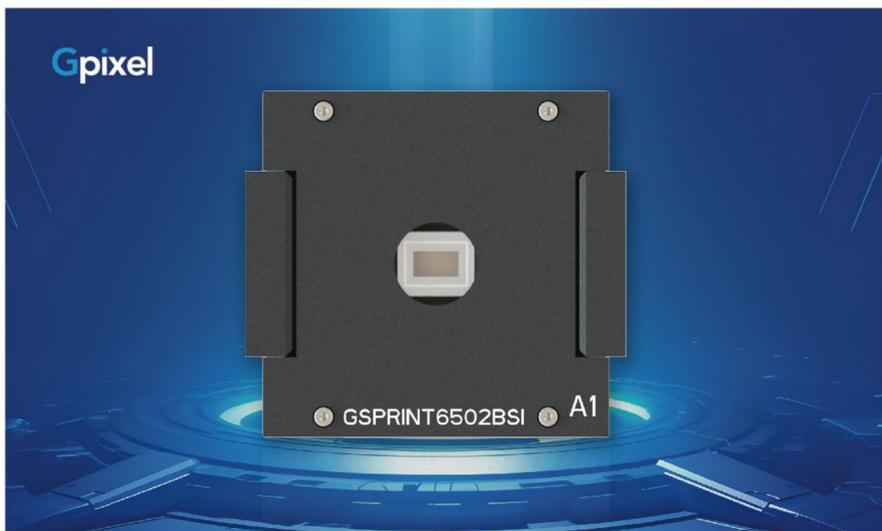# Gpixel

GSPRINT6502BSI
Evaluation Kit

General Description

Gpixel's USB3-based evaluation platform is ideal for an easy and accurate evaluation of the GSPRINT6502BSI 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.
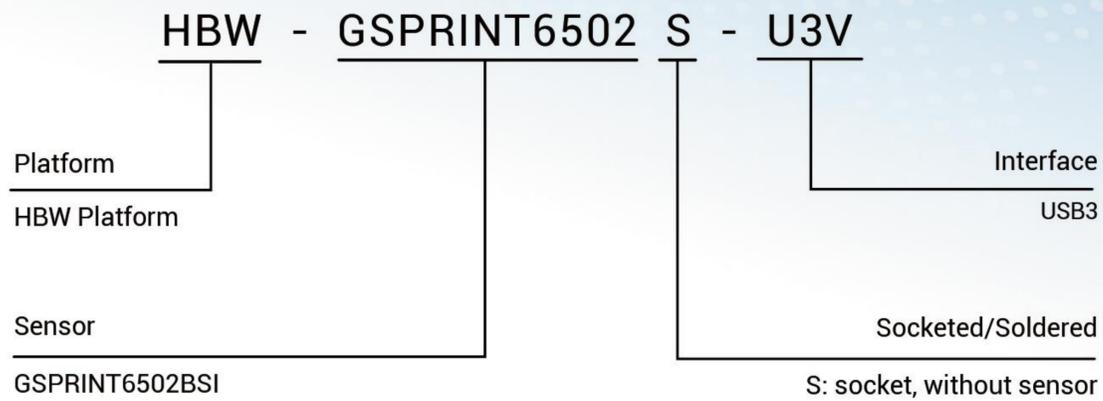

Key Features

- USB3 Interface
- Raw Image Output
- 10 – bit Mode
- Normal, Binned or Windowed Readout
- Multiple slope HDR
- GenICam Compatible
- User-friendly Form Factor
- C/CS-mount

Specifications

Item	Description
Sensor	GSPRINT6502
Output Interface	USB3
Resolution (H x V)	2048 x 1152
Frame Rates	1498fps @ Normal-10bit-Mode 2941fps @ Binning-10bit-Mode
Exposure Time	4µs ~ 49.9s
Pixel Bit Depth	10-bit
HDR	Multiple slope HDR
Trigger Mode	External / Free Running
Shutter Mode	Rolling / Global Reset
ROIs	1~8 vertical ROIs
Lens Mount	C/CS-mount
Power Supply	10V~25V
Power Consumption	Typical 15.6W@12V DC
Operating Temperature	0-50°C

Ordering Information

HBW - GSPRINT6502 S - U3V

Platform
HBW Platform

Sensor
GSPRINT6502BSI

Interface
USB3

Socketed/Soldered
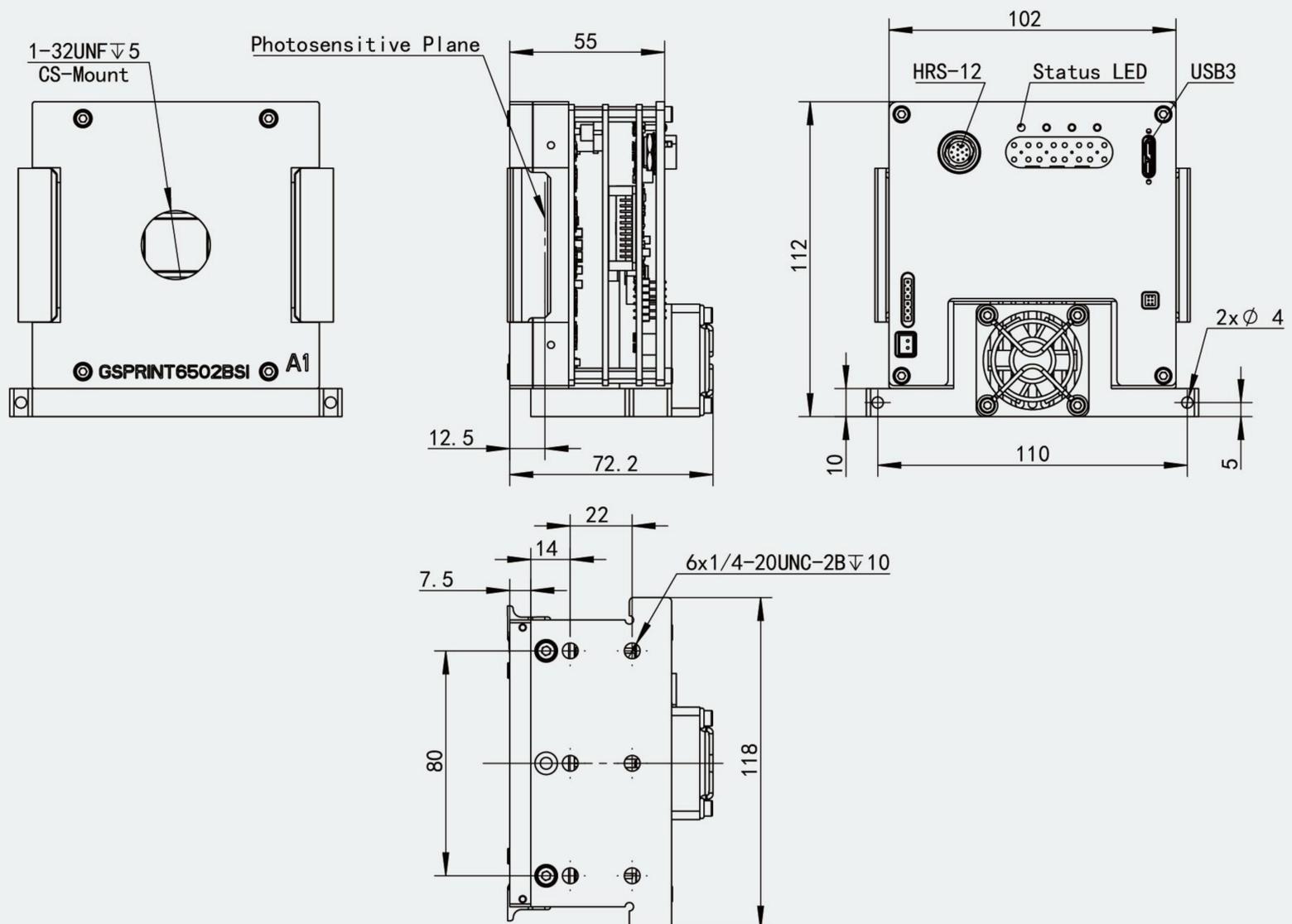S: socket, without sensor

Evaluation Kit Includes

- Evaluation module

- Power cable with DC plug and trigger

- USB cable type-A to micro-B

- Extension ring 5mm, C/CS mounting

- Power adapter

- DC plug adapter 2.1mm to 2.5mm

Note: The sensor is not included in evaluation module.

Mechanical Drawing

Contact Gpixel HQ

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