General Description

Gpixel’s evaluation platform supports CoaXPress 2.0 or USB3.0 Interface, is ideal for an easy and accurate evaluation of the GSPRINT4510 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 /USB3.0 interface ensures a smooth, real-time imaging experience.

Key Features

- CoaXPress 2.0 Interface/USB3.0 Interface
- Raw Image Output
- 8/10/12-bit Modes
- Normal, Binned or Windowed Readout
- GenICam Compatible
- User-friendly Form Factor
- M42- and F-mount

Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor</td>
<td>GSPRINT4510</td>
</tr>
<tr>
<td>Output Interface</td>
<td>CoaXPress 2.0/USB3.0</td>
</tr>
<tr>
<td>Resolution (H x V)</td>
<td>4608 x 2176</td>
</tr>
<tr>
<td>Frame Rates</td>
<td>Normal:&lt;br&gt;392fps(8b)/301fps(12b)@CoaXPress 2.0&lt;br&gt;38fps(8b)/19fps(12b)@USB3.0&lt;br&gt;Binned:&lt;br&gt;1460fps(8b)/1127fps(12b)@CoaXPress 2.0&lt;br&gt;157fps(8b)/78fps(12b)@USB3.0</td>
</tr>
<tr>
<td>Exposure Time</td>
<td>1s ~ 49.99s</td>
</tr>
<tr>
<td>Pixel Bit Depth</td>
<td>8/10/12-bit</td>
</tr>
<tr>
<td>Trigger Mode</td>
<td>External / Free Running</td>
</tr>
<tr>
<td>Lens Mount</td>
<td>M42-mount / F-mount</td>
</tr>
<tr>
<td>Power Supply</td>
<td>10 ~ 25V</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>Typical 23.5W@12V DC @CoaXPress 2.0&lt;br&gt;Typical 14.2W@12V DC @USB3.0</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0-50°C</td>
</tr>
</tbody>
</table>
### Ordering Information

<table>
<thead>
<tr>
<th>Platform</th>
<th>Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBW</td>
<td>GSPRINT4510</td>
</tr>
</tbody>
</table>

**Platform**
- HBW Platform

**Sensor**
- GSPRINT4510

**Interface**
- CXP2.0 CoaXPress 2.0
- U3V USB3.0

**Chromaticity**
- M: Mono
- C: Color

Note: Sensor is soldered on the PCB

### Evaluation Kit Includes

- Evaluation module
- Power Cable with DC plug and trigger
- DC Plug adapter 2.1mm to 2.5mm
- Extension ring M42 to M42
- F-mount adapter
- USB Cable Type-A to Micro-B (only USB3.0 Interface)

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

### Mechanical Drawing

![Mechanical Drawing](image_url)

Note: HBW-GSPRINT4510M-CXP2.0 only has CXP Micro-BNC connector.
HBW- GSPRINT4510M-U3V only has USB 3.0 Micro-B connector.

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