GCINE3243
Evaluation Kit

General Description

Gpixel’s USB3.0-based evaluation platform is ideal for an easy and accurate evaluation of the GCINE3243 APS-C image sensor. Its form factor and GenICam compatibility provide flexible setup options in both lab and industrial environments. The high-speed USB3.0 interface ensures a smooth, real-time imaging experience.

Key Features

- USB3.0 Interface
- 8K/4K Video, DSC Modes
- On-chip Exposure Summing
- Dual Gain HDR
- Raw Image Output
- GenICam Compatible
- User-friendly Form Factor
- M42-mount or F-mount

Specifications

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<th>Item</th>
<th>Description</th>
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<td>Sensor</td>
<td>GCINE3243</td>
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<tr>
<td>Output Interface</td>
<td>USB3.0</td>
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| Resolution (H x V)    | 8K: 8192 x 4320  
                           | 4K: 4096 x 2160  
                           | DSC: 8192 x 5232  |
| Frame Rates           | 120fps @4K / 60fps @8K                          |
| Pixel Bit Depth       | 14-bit                                         |
| Multi-Exposure        | 1/2/4                                          |
| Dual Gain HDR         | Dual Gain(uncompressed/compressed)              |
| Trigger Mode          | Free Running                                   |
| Lens Mount            | M42-mount or F-mount                           |
| Power Supply          | 10V~25V                                        |
| Power Consumption     | Typical 16.5W@12V DC                           |
| Operating Temperature | 0~50°C                                         |
Ordering Information

HBW - GCINE3243 S - U3V

Platform
HBW Platform
Sensor
GCINE3243

Interface
U3V: USB3.0
Socketed

S: socket, without sensor

Evaluation Kit Includes

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

Note: The sensor is not included in evaluation module.

Mechanical Drawing

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