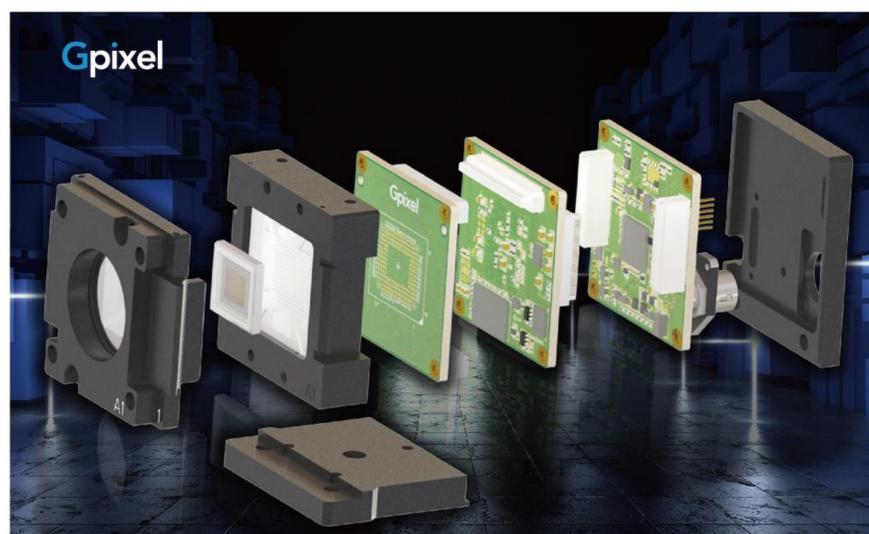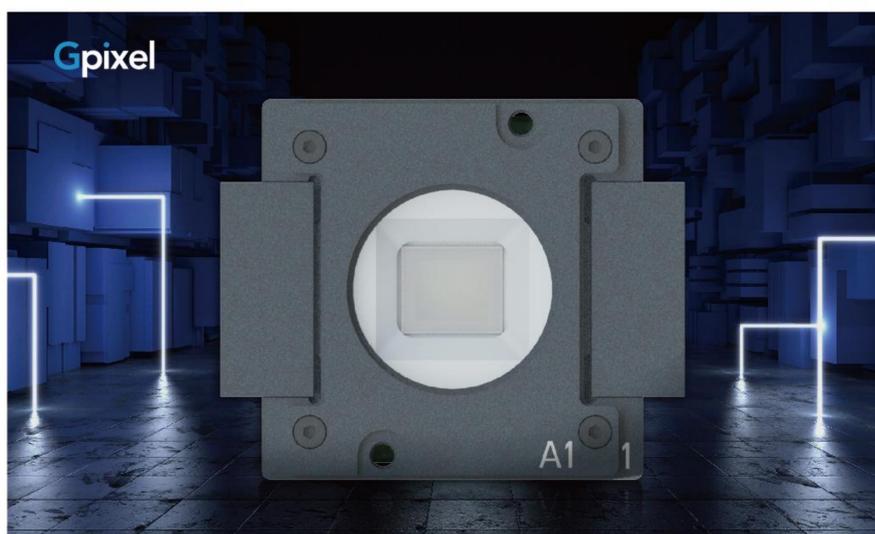# Gpixel

# GMAX3405
## Evaluation Kit



## General Description

Gpixel's USB3-based evaluation platform is ideal for an easy and accurate evaluation of the GMAX3405 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 USB3 interface ensures a smooth, real-time imaging experience.
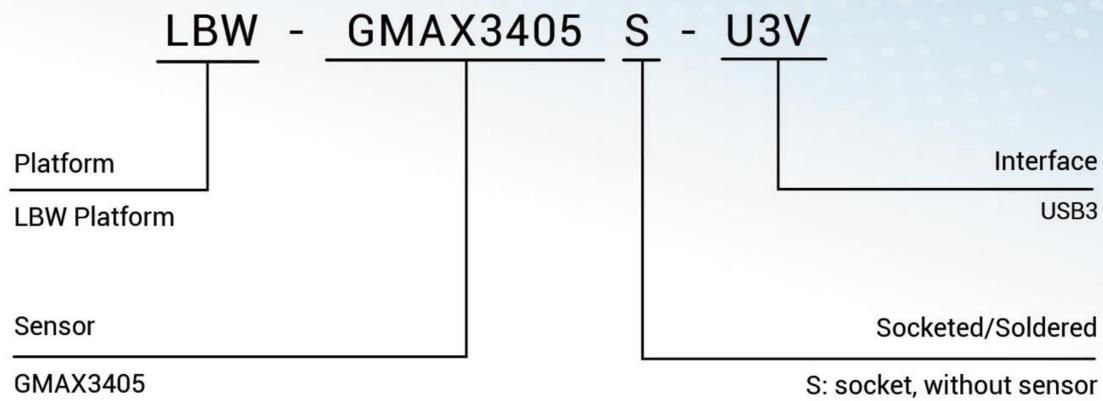



## Key Features

- USB3 Interface
- Raw Image Output
- 10/12-bit Modes
- Multiple Slope / Region HDR
- GenICam Compatible
- User-friendly Form Factor
- C/CS-mount

## Specifications

| Item | Description |
| --- | --- |
| Sensor | GMAX3405 |
| Output Interface | USB3 |
| Resolution (H x V) | 2448 x 2048 |
| Frame Rates | 100fps @LVDS 12bit / 164fps @LVDS 10bit<br>73fps @MIPI 12bit |
| Exposure Time | 1µs ~ 49.9s |
| Pixel Bit Depth | 10/12-bit |
| Trigger Mode | External / Free Running |
| ROIs | Vertical / Horizontal |
| Lens Mount | C/CS-mount |
| Power Supply | 9V~15V |
| Power Consumption | Typical 3.6W@12V DC |
| Operating Temperature | 0-50°C |

## Ordering Information

LBW - GMAX3405 S - U3V

Platform
LBW Platform

Sensor
GMAX3405

Socketed/Soldered
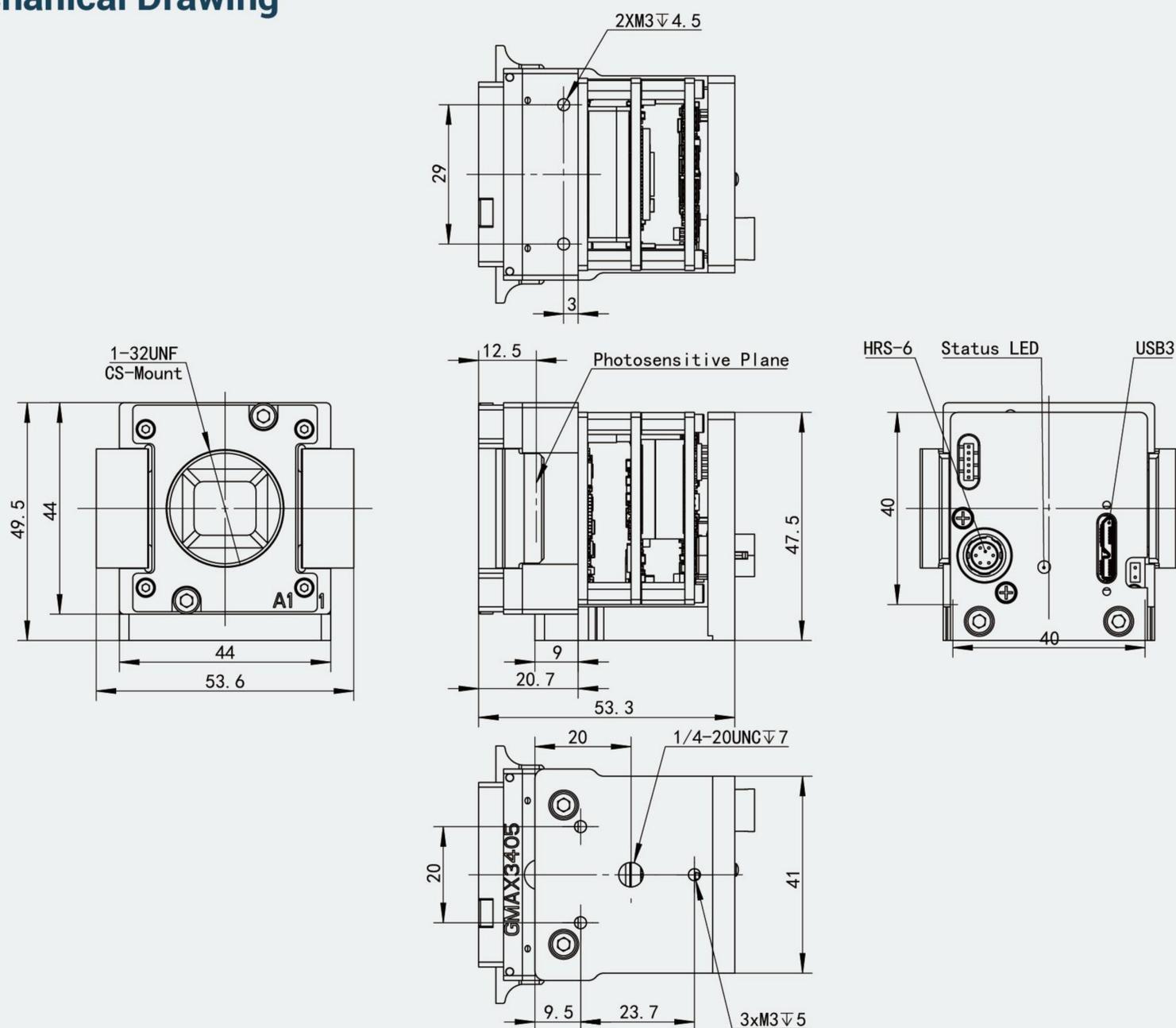S: socket, without sensor

Interface
USB3

## Evaluation Kit Includes

- Evaluation module

- Power adapter

- USB cable Type-A to Micro-B

- Extension ring 5mm, C/CS mounting

- Trigger&Power cable HRS-6 cable

- DC Plug adapter 2.1mm to 2.5mm

Note: The sensor is not included in evaluation module.

## Mechanical Drawing



2XM3▽4.5
29
3

1-32UNF
CS-Mount
49.5
44
44
53.6
A1

12.5
Photosensitive Plane
47.5
9
20.7
53.3

HRS-6   Status LED   USB3
40
40

20
1/4-20UNC▽7
GMAX3405
20
41
9.5   23.7
3xM3▽5

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