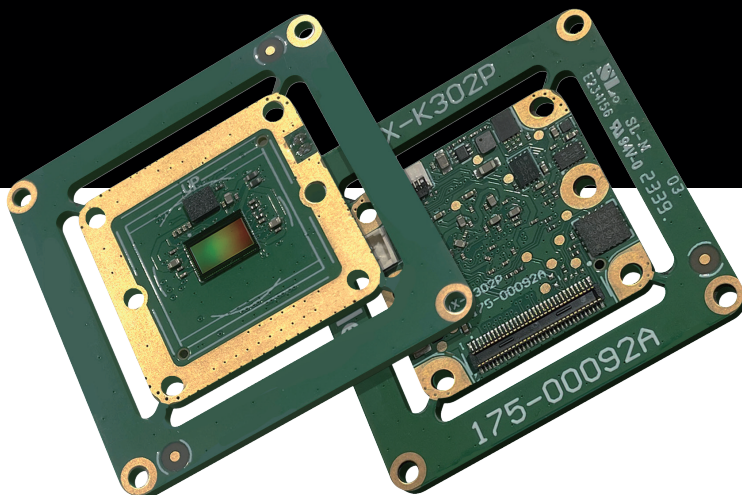


Oclea™ JX-K302P Sensor Module

The Oclea™ The JX-K302P sensor module is engineered for versatility and performance in a compact form factor.

The JX-K302P sensor module offers a compact and cost-effective 4MP solution for high-efficiency embedded vision. This 1/3" rolling shutter CMOS sensor captures 2696 x 1528 resolution video at up to 60 fps and is tuned for strong colour balance and uniformity. Designed for integration into space-constrained systems, this module is ideal for smart devices, kiosks, IoT endpoints, and entry-level computer vision.



KEY FEATURES

4 MP resolution, 1/2.9" optical format

Delivers detailed imaging in a compact footprint, well-suited for edge computing and consumer-facing embedded products.

Flexible frame rates for real-time imaging

Streams full-resolution video at up to 60 fps, reducing motion blur and latency.

Balanced image processing pipeline

Provides stable white balance, noise control, and contrast for general-purpose vision.

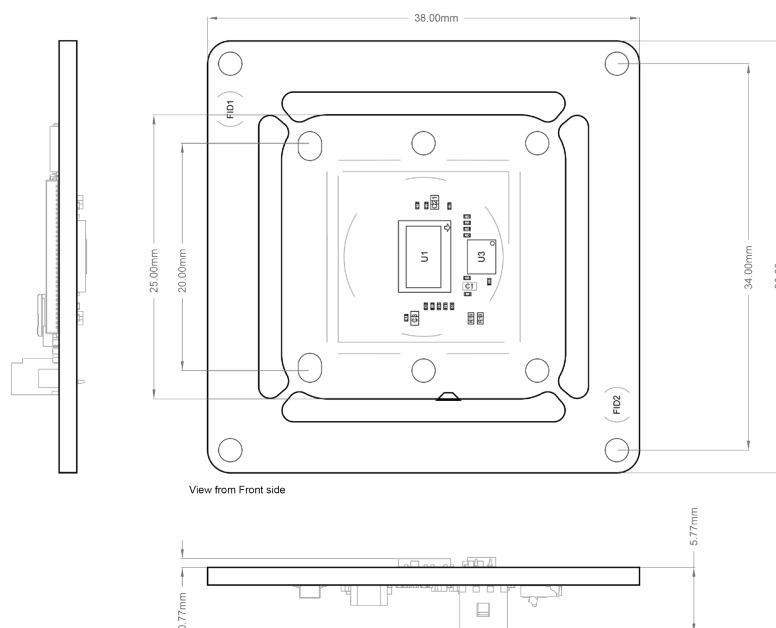
Low power design for embedded efficiency

Supports power-sensitive applications with minimal thermal load.

The Oclea™ JX-K302P Sensor Module

Size 38 x 38 x 6.54 mm • **Weight** 4g *

* Can be depanned down to **Size** 25 x 25 x 6.54 mm • **Weight** 2g



MODULE SPECIFICS

Resolution: 2696 x 1528 (4 MP)

- Image Sensor Type: JX CMOS sensor
- Target Applications: OEM smart devices, industrial vision

Optical Format: 1/3"

Pixel Size: 2.0µm x 2.0µm

Frame Rate: Up to 60 fps

Interface: MIPI CSI-2 (2-4 lanes)

INPUT/OUTPUT INTERFACES

MIPI CSI-2 data interface

- Simple plug-and-play integration with standard MIPI hosts

I2C control interface

GPIO and synchronisation support

POWER CONSUMPTION

Typical power consumption: < 0.8W (module dependent)

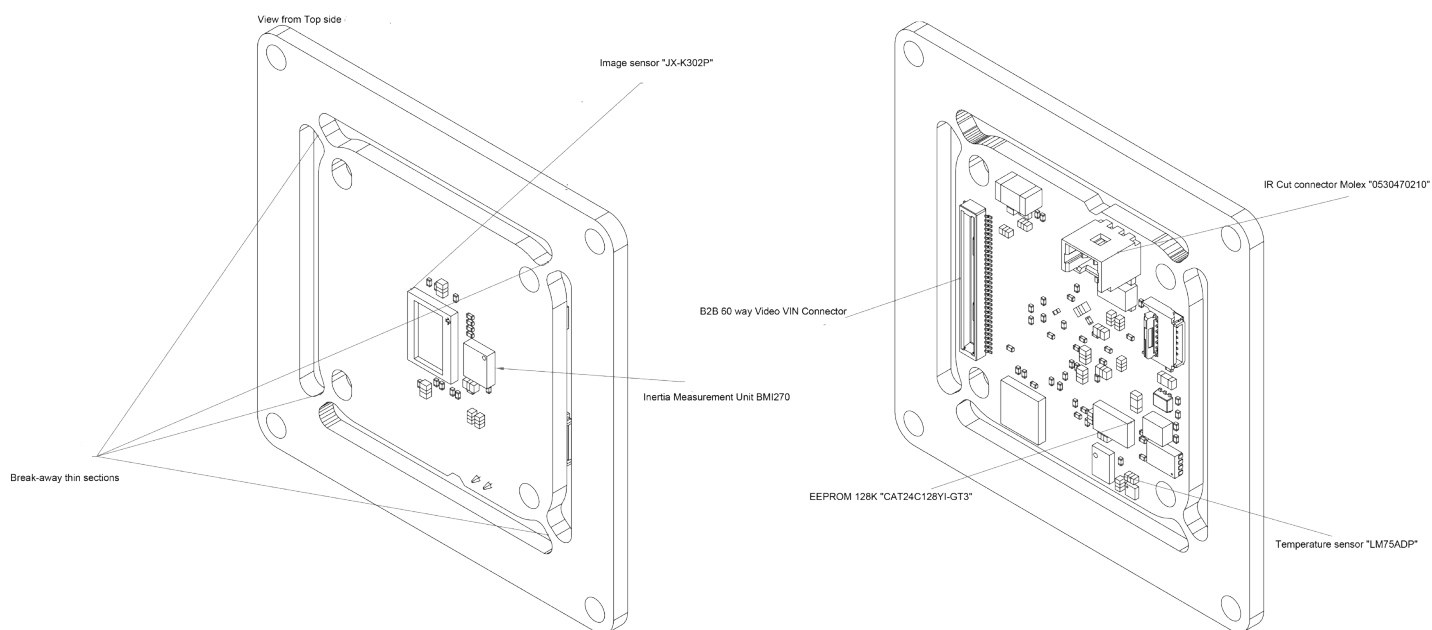
- Ultra-low power draw optimised for IoT and battery-powered systems

COMPANION LENS OPTIONS

2.8mm M12 lens, F2.0, wide-angle

- Compatible with compact enclosures and field-deployed systems

The Oclea™ JX-K302P sensor module



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