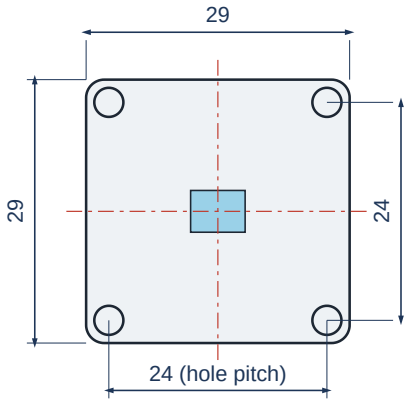
# OEM Laser Beam Profiler – 2.3 MP Global Shutter

Board-level beam profiling module for integration into lasers, test stations and OEM systems

| | |
|---|---|
| **Spectral range** | Visible – NIR (sensor response) |
| **Sensor** | Monochrome CMOS, global shutter, 1/2.6" |
| **Resolution** | 1920 × 1200 px (2.3 MP) |
| **Pixel size** | 3.0 µm |
| **Active area** | 5.76 × 3.60 mm |
| **ADC** | 10 bit |
| **Frame rate** | 101 fps (full frame) |
| **Exposure** | 12 µs – 446 ms |
| **Trigger / I/O** | Trigger in, flash out, 2 GPIO |
| **Interface** | USB 3.0, Micro-B, bus powered |
| **Power** | 0.5 – 1.0 W |
| **Lens mount** | None (bare board) |
| **Dimensions** | 29 × 29 × 6.4 mm |
| **Mass** | ≈ 7 g |
| **Operating temperature** | 0 – 85 °C |
| **Software** | IZAK LBP APP: beam width/diameter, centroid, ellipticity and azimuth; peak position/value with saturation indication; fixed ROI or Auto-ROI; automated Pass/Fail test mode with exportable results; image save and measurement export. Optional API/DLL integration and AI Insights & Reporting add-on |
| **Included** | OEM module, 3 m USB 3 cable, LBP APP license (USB key) |

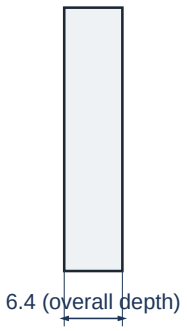
Typical values; specifications may change without notice. The quotation states the binding configuration.

# Outline drawing – dimensions in mm



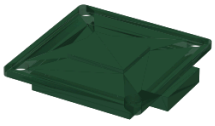

4× Ø3.2 mounting holes

**FRONT VIEW (beam side)**




**SIDE VIEW**

| | | | |
|---|---|---|---|
| **Title** OEM Laser Beam Profiler – 2.3 MP Global Shutter – outline | **SKU** 35003 | **Drawing** IZAK-DWG-35003-01 | **Rev** 1.0 |
| **Drawn** IZAK Scientific, 2026-11-08 | **Scale** not to scale | **Mount** No lens mount (bare board) | **3D** 35003_3D.step |



3D envelope model (STEP AP214): 35003_3D.step – outline, mounting holes, mount and connector side for mechanical integration. Internal components are not modelled. Keep free space around connectors and components as required.