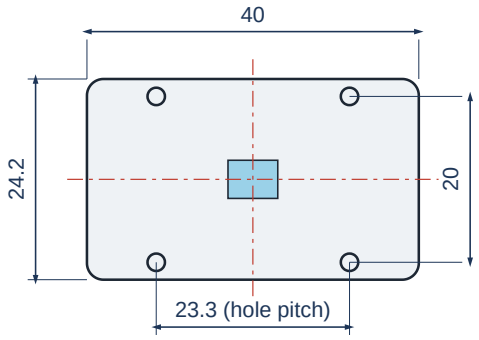
OEM Laser Beam Profiler – 12.4 MP Global Shutter

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

Spectral range	400 – 1000 nm (sensor response)
Sensor	Monochrome CMOS, global shutter, 1/1.1"
Resolution	4128 × 3008 px (12.4 MP)
Pixel size	2.74 µm
Active area	11.31 × 8.24 mm
ADC	12 bit
Frame rate	32 fps (full frame)
Exposure	12 µs – 2 s (long exposure up to 120 s)
Trigger / I/O	Opto-isolated trigger in and flash out, 2 GPIO
Interface	USB 3, Type-C, bus powered
Power	1.7 – 3.8 W
Lens mount	None
Dimensions	40 × 29.5 × 25 mm
Mass	≈ 20 g
Operating temperature	0 – 55 °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



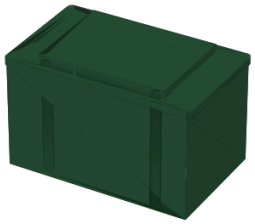
4× Ø2.1 mounting holes

FRONT VIEW (beam side)



SIDE VIEW

Title OEM Laser Beam Profiler – 12.4 MP Global Shutter – outline	**SKU** 35004	**Drawing** IZAK-DWG-35004-01	**Rev** 1.0
Drawn IZAK Scientific, 2026-11-08	**Scale** not to scale	**Mount** No lens mount, compact 3-board stack	**3D** 35004_3D.step



3D envelope model (STEP AP214): 35004_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.