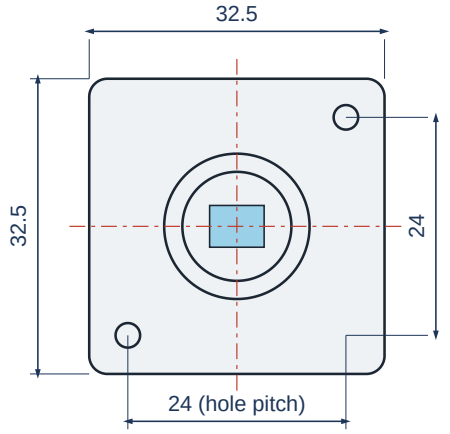
OEM Laser Beam Profiler – 5.1 MP Global Shutter

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, 1/1.8"
Resolution	2472 × 2062 px (5.1 MP)
Pixel size	2.74 µm
Active area	6.71 × 5.61 mm
ADC	12 bit
Frame rate	49 fps (full frame)
Exposure	9 µs – 2 s
Trigger / I/O	Trigger in, flash out, 2 GPIO
Interface	USB 3.0, Micro-B, bus powered
Power	0.5 – 1.2 W
Lens mount	S-mount (M12 × 0.5)
Dimensions	32.5 × 32.5 × 21.8 mm (incl. mount)
Mass	≈ 10 g
Operating temperature	0 – 75 °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)

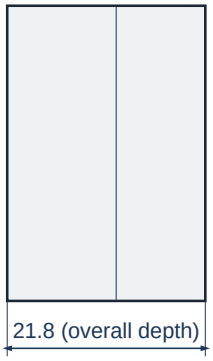
Typical values; specifications may change without notice. The quotation states the binding configuration.

Outline drawing – dimensions in mm



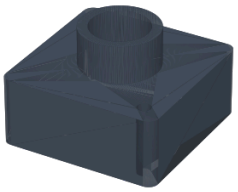
2× Ø2.7 mounting holes · Ø16 mount

FRONT VIEW (beam side)



SIDE VIEW

Title OEM Laser Beam Profiler – 5.1 MP Global Shutter – outline	**SKU** 35002	**Drawing** IZAK-DWG-35002-01	**Rev** 1.0
Drawn IZAK Scientific, 2026-11-08	**Scale** not to scale	**Mount** S-mount (M12 × 0.5), compact housing	**3D** 35002_3D.step



3D envelope model (STEP AP214): 35002_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.