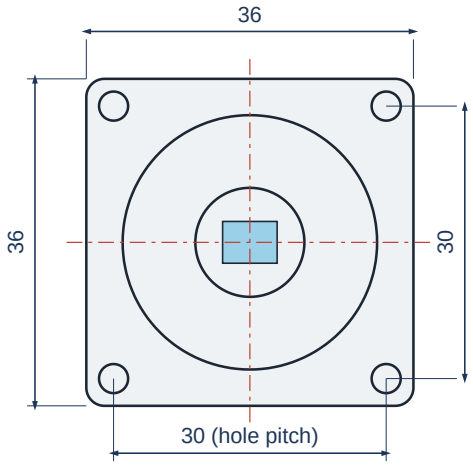
OEM Laser Beam Profiler – 1.6 MP Global Shutter

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

Spectral range	300 – 1100 nm (sensor response)
Sensor	Monochrome CMOS, global shutter, 1/2.9"
Resolution	1456 × 1088 px (1.6 MP)
Pixel size	3.45 µm
Active area	5.00 × 3.75 mm
ADC	12 bit
Frame rate	235 fps (full frame)
Exposure	22 µs – 2 s (long exposure up to 30 s)
Trigger / I/O	Trigger in, flash out, 2 GPIO (3.3 V)
Interface	USB 3, Type-C, bus powered
Power	0.8 – 1.8 W
Lens mount	S-mount (M12 × 0.5) holder
Dimensions	36 × 36 × 26 mm
Mass	≈ 16 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)

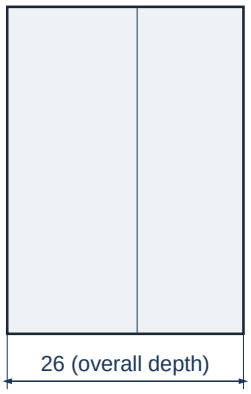
Typical values; specifications may change without notice. The quotation states the binding configuration.

Outline drawing – dimensions in mm



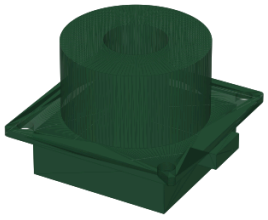
4× Ø3.2 mounting holes · Ø28 mount

FRONT VIEW (beam side)



SIDE VIEW

Title OEM Laser Beam Profiler – 1.6 MP Global Shutter – outline	**SKU** 35001	**Drawing** IZAK-DWG-35001-01	**Rev** 1.0
Drawn IZAK Scientific, 2026-11-08	**Scale** not to scale	**Mount** S-mount lens holder (M12 × 0.5) – used without lens	**3D** 35001_3D.step



3D envelope model (STEP AP214): 35001_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.