

**Model Number: OH-IR-EL**

## Features

- High speed modulated line scanning laser processing system enabled by Linear PLV™ modulator.
- Outputs a line beam with 1000 user-controlled pixels with refresh rate of 100kHz.
- Flexible external laser configuration to support wide array of applications
- Optional galvo scanner with 15 x 15mm scan field



Linear PLV Optical Head Specifications	
Laser Source	External, 1030-1070nm, up to 200W / 1mJ* pulsed or 800W CW
Line Beam Output Characteristics	
Optical Throughput	>40%
Long Dimension (Typical)	2.5 mm top-hat
Resolution (Typical)	2.5 um addressable grid / 10 um minimum feature
Short Dimension (Typical)	10 um 1/e <sup>2</sup> sinc
Uniformity Along Long Axis	±5% after calibration
Modulation Frequency	100 kHz
Amplitude Resolution	10-bit (1024 levels)
Contrast Ratio	>90:1
Mechanical Dimensions	
Length	1055mm
Width	700mm
Height	236mm

\* Maximum power and pulse energy depend on pulse width