

## LIVAR<sup>®</sup> Model 4000



### Preliminary Specifications

<b>LIVAR<sup>®</sup> Camera</b>	Intevac SWIR gated camera
	TE-EBCMOS Sensor (InP/InGaAs Photocathode)
	640 X 480 pixels
	12 μm square pixel size
	Quantum Efficiency > 25% at 1.5 μm
	Dark Current (at 20°C) = 1 electron per pixel μs gate ON time
	Single Pixel SNR (at 1.5 μm) > 5 at 50 photons per pixel
	Resolution > 28 lp/mm
	Image Quality: Typical > 99% functional pixels
	Camera Readout: 10 bit parallel digital progressive scan
Minimum Gate Width = 150 ns	
<b>Receiver Telescope</b>	5" aperture, 1250 mm FL, f/10
<b>Laser</b>	Flashlamp pumped, OPO shifted Nd:YAG (1.57 μm)
	Class 1 Eyesafe Monoblock MicroLaser
	Laser Power > 10 mJ/pulse
	Rep. Rate = 2 Hz max.
	Beam Divergence: 1.5 mR to 15 mR
<b>System Controller</b>	Dolch Militarized Laptop
	Custom controller/image acquisition software
	Complete system control, including file management
	Integrated power supplies, AC or DC (12V) input
<b>FLIR/Thermal Camera</b>	<b>Optional – Quote provided upon request</b>

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