



Compact, Electro-Optic Two Dimensional Laser Beam Scanner LS-15-4010-FC

Relies on Vescent Photonics' patent pending evanescently coupled liquid crystal waveguide technology



Parameter	Value	Comment
Scan Angle	40° Horiz. × 10° Vert.	Horizontal defined as in plane of the waveguide
Small Angle Transit Time	0.1ms	Small angle defined as 5% of field of regard
Full Sweep Transit Time	2ms	
Insertion loss	3dB	
Pointing Resolution	Analog control voltage	
Available Operational Wavelengths	1500nm < λ < 1600nm	
PACKAGE		
Optical Input	Single mode polarization maintaining fiber	1m length; FC connector input standard
Optical Input Power	TBD	Maximum
Output Beam Diameter	1 mm	At output window
Beam Divergence	< 3 milliradians	
Control Voltage	Horizontal Scan -10V to +10V Vertical Scan 0V to +10V	With evaluation driver
Power Consumption	TBD	
Dimensions	To be smaller than 3 x 2 x 7 cm ³	Optical head
Weight	< 70 grams	Driver
Acceleration	TBD	Optical head
Operational Temperature Range	0 °C < T _{OP} < 60 °C	Driver
Storage Temperature Range	-40 °C < T _{ST} < 70 °C	Eventually will be broader temperature range
Lifetime	TBD	

All values subject to change without notice.