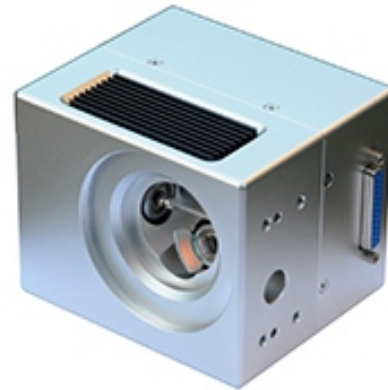


2-Axis Deflection Unit

RL-2206

High Accuracy
Fast Processing
Large Aperture
Competitive Price



TECHNICAL SPECIFICATIONS:

RL-12

Input Aperture	12 mm
Wavelength	355, 532, 1064, 10600 nm
Acceleration time	0.32 ms
Writing Speed ^{1 2}	> 450 cps
Positioning Speed ¹	> 7 m/s
Typical Deflection	±0.393 rad
Resolution	12 µrad
Repeatability (RMS)	5 µrad
Max. Gain drift ³	50 ppm/K
Max. Offset drift ³	30 µrad/K
Long-Term Drift (8h) ^{3 4}	< 300 µrad

¹F-Theta f=163 / field size 120 x 120 mm

² Single-stroke font / 1 mm height

Beam Displacement	14 mm
Digital Interface	XY2-100 Protocol
Analog Interface	±5 V, ±10 V
Ripple / Noise	≤ 200 mVpp at 20 MHz
Ambient Temperature	+15 to +35 °C
Storage Temperature	-10 to +60 °C
Humidity	≤ 80% Non-condensing
Voltage	±15 to ±18 V
Current	3 A, RMS, max. 10 A
Weight	Approx. 1.6 kg
Dimensions L x W x H	134 x 98 x 93.5

³Drift per axis.

⁴After warming-up, variation of ambient temperature <1K