

2-Axis Deflection Unit

BS-12

- High Accuracy
- Compact Size
- Fast Processing
- Very Competitive Price



TECHNICAL SPECIFICATIONS:

BS-12

Input Aperture	12 mm
Wavelength	355, 532, 1064, 10600 nm
Tracking error time	0.36 ms
Writing Speed ^{1 2}	> 450 cps
Positioning Speed ¹	> 10 m/s
Typical Deflection	± 0.393 rad
Resolution	12 µrad
Repeatability (RMS)	< 22 µrad
Max. Gain drift ³	80 ppm/K
Max. Offset drift ³	30 µrad/K

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

² Single-stroke font / 1 mm height

Long-Term Drift (8h) ³	< 300 µrad
Zero Offset	< 5mrad
Digital Interface	XY2-100 Protocol
Ambient Temperature	+10 to +40 °C
Storage Temperature	-20 to +60 °C
Humidity	≤ 80% Non-condensing
Voltage	±15 V DC
Current	max. 3 A
Weight	Approx. 2.0 kg
Dimensions L x W x H	114 x 99 x 100.9 mm

³ Drift per axis

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