

## 2-Axis Deflection Unit

# BS-14

- High Accuracy
- Large Aperture
- Fast Processing
- Very Competitive Price



### TECHNICAL SPECIFICATIONS:

#### BS-14

Input Aperture	14 mm
Wavelength	355, 532, 1064, 10600 nm
Tracking error time	0.4 ms
Writing Speed <sup>1 2</sup>	> 400 cps
Positioning Speed <sup>1</sup>	> 7 m/s
Typical Deflection	± 0.393 rad
Resolution	12 µrad
Repeatability (RMS)	< 22 µrad
Max. Gain drift <sup>3</sup>	80 ppm/K
Max. Offset drift <sup>3</sup>	30 µrad/K

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

<sup>2</sup> Single-stroke font / 1 mm height

Long-Term Drift (8h) <sup>3</sup>	< 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. 2.4 kg
Dimensions L x W x H	133.5 x 103.5 x 105.5 mm

<sup>3</sup> Drift per axis

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