

2 D S C A N H E A D

# BS-10

en | Data sheet | 1.0

- 2-axis laser deflection unit, aperture 10 mm
- High precision for industrial use
- Compact temperature-optimized design
- Outstanding cost-effectiveness



Wavelength	1064 nm <sup>[1]</sup>	Long-term-drift per axis (8 h)	300 µrad
Input beam diameter	10 mm	Cooling method	Passive
Tracking delay	0.22 ms	Control interface	XY2-100-Standard
Writing speed	500 cps <sup>[2]</sup>	Humidity	80% <sup>[4]</sup>
Positioning-speed	15 m/s <sup>[3]</sup>	Supply voltage DC	15 V
Max. optical deflection	0.393 rad	Current consumption	3 A
Resolution	12 µrad	Operation temperature	10 – 40 °C
Repeatability (RMS)	22 µrad	Storage temperature	-20 – 60 °C
Max. gain-drift per axis	80 ppm/K	Mechanical dimensions (W × D × H)	96.5 × 114 × 100.9 mm
Max. offset-drift per axis	30 µrad/K	Net weight	1.9 kg

<sup>[1]</sup> Other available wavelengths: 355 / 532 / 10600 nm

<sup>[2]</sup> f=160 / Hight 1 mm

<sup>[3]</sup> F-Theta f=163 / Scan field 120 x 120 mm

<sup>[4]</sup> Non condensing

