

2-Axis Deflection Unit

PSH-14

- Premium 2-Axis Scan Head
- Outstanding Low Drift
- Highest Repeatability
- Fast Writing Speed



TECHNICAL SPECIFICATIONS:

PSH-14

Input Aperture	14 mm
Wavelength	355, 532, 1064, 10600 nm
Tracking error time	<0.15 ms
Writing Speed ^{1 2}	< 700 cps
Positioning Speed ¹	< 15 m/s
Typical Deflection	± 0.418 rad
Resolution	12 µrad
Repeatability (RMS)	< 2 µrad
Max. Gain drift ³	10 µrad/K
Max. Offset drift ³	8 µrad/K

Long-Term Drift (8h) ²	< 90 µrad
Zero Offset	< 5 mrad
Digital Interface	XY2-100 Protocol
Ambient Temperature	+15 to +35 °C
Storage Temperature	-20 to +60 °C
Humidity	≤ 80% Non-condensing
Voltage	±15 V DC
Current	max. 10 A
Weight	Approx. 3.2 kg
Dimensions L x W x H	156 x 107.5 x 119.5 mm
Cooling Method	Passive

¹ F-Theta f=163 / field size 120 x 120 mm / 1064 nm

² Single-stroke font / 1mm height

³ Drift per axis