

## 2-Axis Deflection Unit

# PSH-30M-W

- Premium 2-Axis Scan Head
- Outstanding Low Drift
- Highest Repeatability
- Fast Writing Speed
- Laser Power < 3000 Watt



### TECHNICAL SPECIFICATIONS:

#### PSH-30M-W

Input Aperture	30 mm	Long-Term Drift (8h)	< 100 $\mu$ rad
Wavelength	1064, 10600 nm	Zero Offset	< 5 mrad
Tracking error time	$\leq 0.4$ ms	Digital Interface	XY2-100 Protocol
Writing Speed <sup>1</sup>	< 1 m/s	Ambient Temperature	+10 to +40 °C
Positioning Speed <sup>1</sup>	< 7 m/s	Storage Temperature	-20 to +60 °C
Typical Deflection	$\pm 0.418$ rad	Humidity	$\leq 80\%$ Non-condensing
Resolution	12 $\mu$ rad	Voltage	$\pm 15$ V DC
Repeatability (RMS)	< 2 $\mu$ rad	Current	max. 4 A
Max. Gain drift <sup>2</sup>	15 $\mu$ rad/K	Weight	Approx. 6.9 kg
Max. Offset drift <sup>2</sup>	10 $\mu$ rad/K	Dimensions L x W x H	206.9 x 152 x 180 mm
Cooling Method	Water cooled		

<sup>1</sup> F-Theta f=163 / field size 120 x 120 mm / 1030 - 1090 nm

<sup>2</sup> Drift per axis