

innoSCAN II - 8.5

Features

- » High precision
- » Compact construction
- » Sealed housing
- » Competitive price
- » Performance improvement

increase in:
speed: up to 100%
dynamics: up to 50%



TECHNICAL SPECIFICATIONS

Input Aperture	8.5 mm
Wavelength	355, 532, 1064, 10600 nm
Tracking error time	0.11 ms
Writing Speed ^{1 2}	> 1000 cps
Positioning Speed ¹	> 15 m/s
Typical Deflection	± 0.35rad
Resolution	16 bit
Repeatability (RMS)	< 20 µrad
Max. Gain drift ³	100 ppm/K
Max. Offset drift ³	50 µrad/K

¹ with F-theta-lens, f = 160 mm

² Single-stroke font, 1 mm height

Long-Term Drift (8h) ³	< 0,3 mrad
Zero Offset	< 6 mrad
Digital Interface	XY2-100 Protocol
Analog Interface	±5V
Ambient Temperature	+15 to +35°C
Storage Temperature	-20 to +60°C
Humidity	≤ 80% Non-condensing
Voltage / Current	15 V±DC / max. 3A
Weight	ca. 1.1 kg
Dimensions L x W x H	109 x 88 x 80 mm

³ Drift per axis

⁴ After warming-up

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