

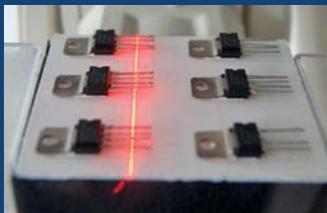
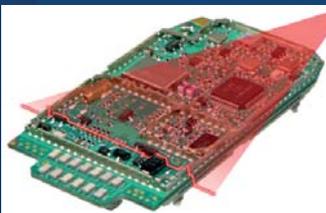
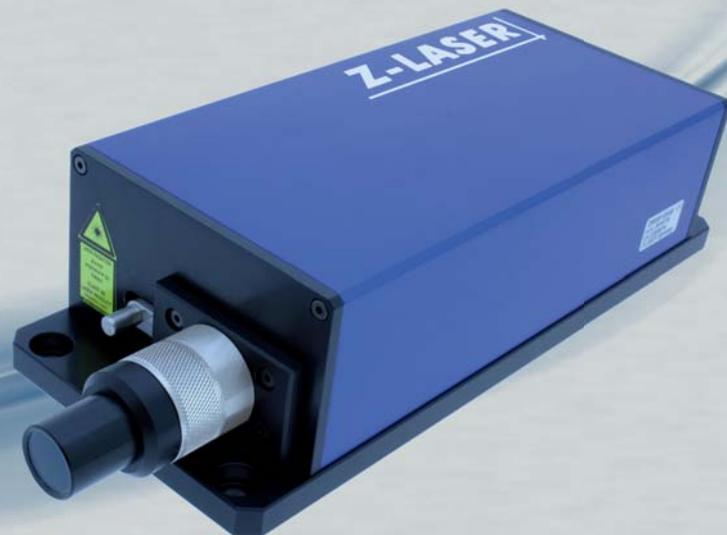
Z-LASER

Intelligent Solutions in Light

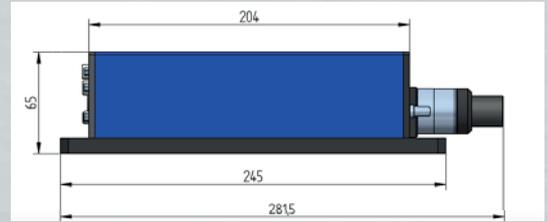
ZQ2

- » Infrared
- » Optical output power up to 6,000mW
- » Line and dot optics available
- » System integration: optical, thermal & electrical components in an all-in-one case
- » External TTL trigger or PLC up to 10kHz
- » Various communication interfaces: RS-232, PLC
- » Focus manually adjustable: 50mm to 10,000mm
- » Graphical user interface

Machine Vision
Electronics
Automotive
Wood
Food & Beverage
Medical
Metal
Robotics
Tire



ZQ2



Mechanical specifications	
Dimensions	281.5mm x 102mm x 65mm
Housing	Anodized aluminum
IP rating	IP50
Weight	2500g
Electrical isolation	Potential-free housing
Connection	Sub-D plug 9-pin
Electrical specifications	
Supply voltage	24VDC
Operation mode	APC with current limiting and active temperature control (TEC)
Modulation	TTL up to 10kHz
Protection	Reverse polarity and transient protection / ESD, over temperature protection and LED pre-failure indicator
Interfaces	RS-232, PLC
Optical specifications	
Wavelength	808nm
Output power	Up to 6,000mW (optical)
Wavelength vs. temperature	Typ. ± 1 nm over operating temperature range
Power stability	$\pm 1\%$ over operating temperature range within 24h, $\pm 5\%$ over complete lifetime
Focus range	50mm to 10,000mm
Pointing stability	$< 15\mu\text{rad} / ^\circ\text{C}$
Line (homogeneous intensity profile)	$10^\circ, 20^\circ, 30^\circ, 45^\circ, 60^\circ, 75^\circ, 90^\circ$
Dot	Elliptical
Environmental conditions	
Case temperature	0°C to $+50^\circ\text{C}$
Storage temperature	-20°C to $+70^\circ\text{C}$
Humidity	Max. 90%, non-condensing
MTTF at 25°C	10,000h

CE CE-Conformity according to the directives 2004/108/EC and 73/23/ECC excluding connection type.

Accessories

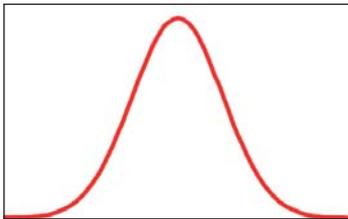
Protection goggles



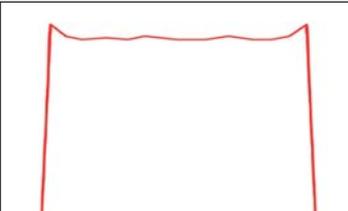
Active cooling



Gaussian profile



Homogeneous profile



Optics

Dot



Line



Order code

Z X Q2 - X - X

Power | Wavelength | Optic

Product family name

