

VISION-Laser



Characteristics:

- Line optics with adjustable beam
- Focal adjustment requires no tools
- Manually exchangeable optics
- Power adjustment via I²C interface
- Digital modulation up to 2MHz
- Analogue modulation up to 1MHz

Short Description

The **VISION-Laser** has been designed for applications in the automatic vision industry. It is especially easy to adjust for best results. The working distance (focal length) can be adjusted manually from a few centimetres to infinite without having to remove the line optics. Even the line optics can be exchanged easily without tools.

To achieve the best power setting to match the requirement of the measurement task at hand the upper limit of the optical laser output power can be remotely adjusted via the serial interface (I²C) and /or over the analogue modulation input by using direct voltage.

The laser can be modulated in two ways independent from each other.

- Digital modulation up to 2MHz
- Analogue modulation up to 1MHz

Other optics and laser sources can be fitted on request.

Technical Data

VISION-Laser	Value	Unit
Operating voltage	5	V _{DC}
Optical output*	variable from 0 to 5	mW
Laser class	2 when optical output <1 mW / 3R when >1 mW	-
Wavelength	650	nm
Digital modulation*	0 ... 2	MHz
Analogue modulation*	0 ... 1	MHz
Connector	Binder sub miniature circular plug, series 712, 7-pin	-

* Details of the modulation, time delays and power control on request.

Dimensions

