

## Laser light array with IO-Link

### Proven precision with advanced communication

- Detect the slightest deviations with high precision
- IO-Link provides simple and fast configuration
- Rugged aluminum housing for harsh operating conditions
- Multi-functional for cost savings
- Live monitoring from one central location

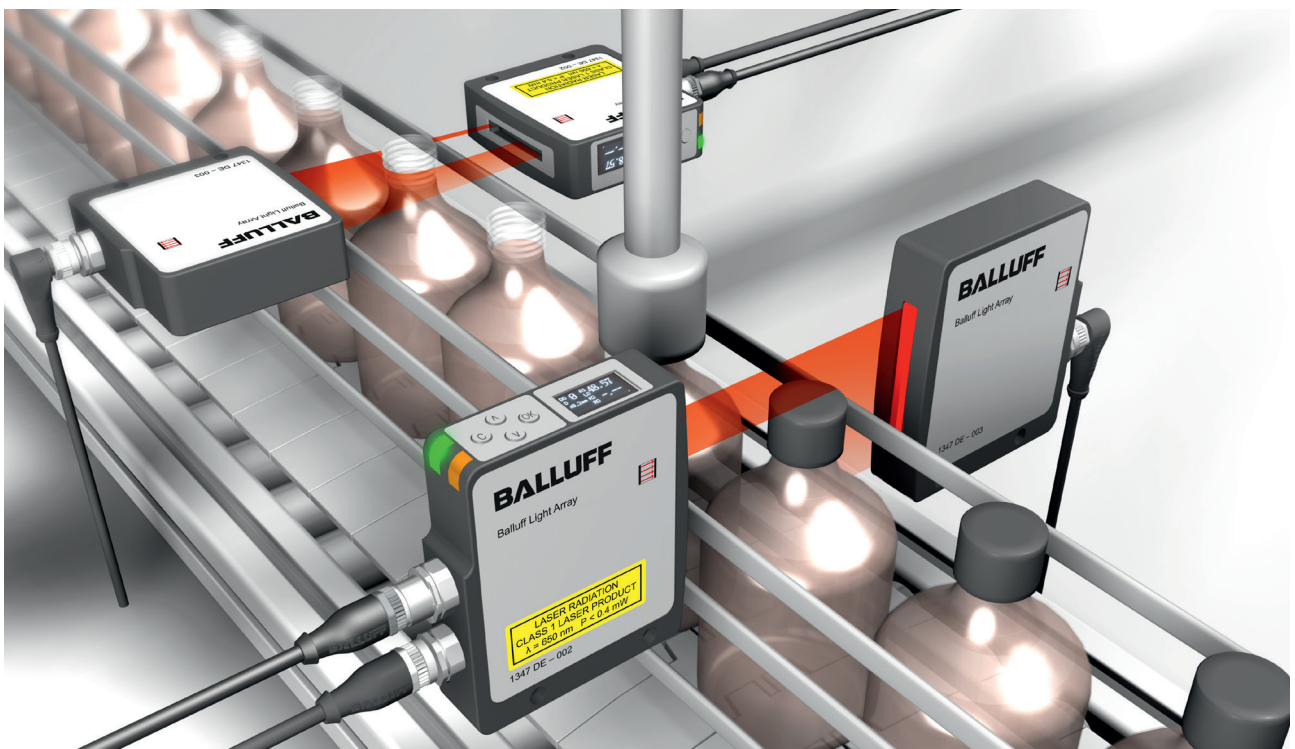


When various objects have to be identified in production, packaging or in quality control, this multi-functional laser light array is ideal.

It features numerous measuring modes such as object diameter, object position, gap width, gap position or edge position. And offers additional modes such as nominal/actual comparison which can be used at the same time.

The IO-Link interfaces offers central data storage and management for simple and fast configuration – even for format changes during the production process. With IO-Link analog processed signals can also be transmitted reliably and accurately.

These functions make the laser light array ideal for tasks such as precise position detection, object classification or simple part sorting by size or diameter. Quality assurance variables like object heights, gap dimensions or holes can be monitored. Precise detection of web edges is also possible, even with semi-transparent materials.





Type	<b>Laser light array</b>
Light band width	<b>50 mm</b>
	<b>BLA0003</b>
Usable light band width	48.6 mm
Max. emitter-receiver distance	2000 mm
Supply voltage U <sup>s</sup>	18...30 V
Analog outputs	2 analog values simultaneously via IO-Link
Digital outputs	Configuration via IO-Link
Output function	Distinction of up to 6 different taught objects or counting of objects, located in the band of light simultaneously
Resolution	0.01 mm
Repeat accuracy	10 µm (R0 < 0.25 m) 20 µm (R0 < 1 m) 40 µm (R0 < 2 m)
Emitter, light type	Laser, red light, 650 nm
Degree of protection 60529	IP65
Ambient temperature T <sub>a</sub>	5...55 °C
Material	Housing: Anodized aluminum Optical surface: Glas



## Accessories

Description	Mounting brackets for Laser light array	Mounting brackets for Laser light array
	<b>BAM02HE</b>	<b>BAM02HF</b>
Dimensions	80 × 75 × 78 mm	80 × 75 × 38 mm
Material	Stainless steel	Stainless steel



## Connectors

Type	2 m cable PUR (black) with M8 connector, 3-pin (straight)	2 m cable PUR (black) with M8 connector, 3-pin (right-angle)	3 m cable PUR (black) with M12 female (straight), M12 male (straight), 4-pin	M12 male, field-attachable 4-pin, cable break detector Ø 4...6 mm
	<b>BCC032F</b>	<b>BCC032Y</b>	<b>BCC039N</b>	<b>BCC06M4</b>