Developed for reading barcodes, 2D codes and DMC codes

BVS IDENTSENSOR –
FOR OPTICAL IDENTIFICATION

The new BVS IdentSensor expands the existing range of stationary code readers from Balluff. Designed for precise reading of barcodes, 2D codes and DMC codes, it provides simple and flexible communication interfaces to the process and IT network. Modern, forward-looking programming interfaces (REST API, MQTT) and dedicated industrial interfaces (IO-Link, TCP, UDP) as well as additional condition monitoring information make the sensor unique and ideal for use in fast and difficult processes in automated production.

Reliably read out and transmit code contents

You can achieve reliable product iden-tification in automated production and packaging settings via optical codes. The BVS IdentSensor from Balluff is especially suitable for these industries. Thanks to our solution, barcodes and 2D codes as well as DMC codes can be read easily, flexibly and reliably within production processes.

Code contents and features as well as quality parameters are transmitted to the plant control system (PLC) or higher-level IT systems via industrial communication protocols. In addition, the BVS IdentSensor is part of Balluff's Smart Automation and Monitoring System (SAMS). So you can read out or automatically receive sensor parameters or additional condition monitoring information from the machine environment at any time via the REST API and MQTT. All in unique multi-talent within optical identification.
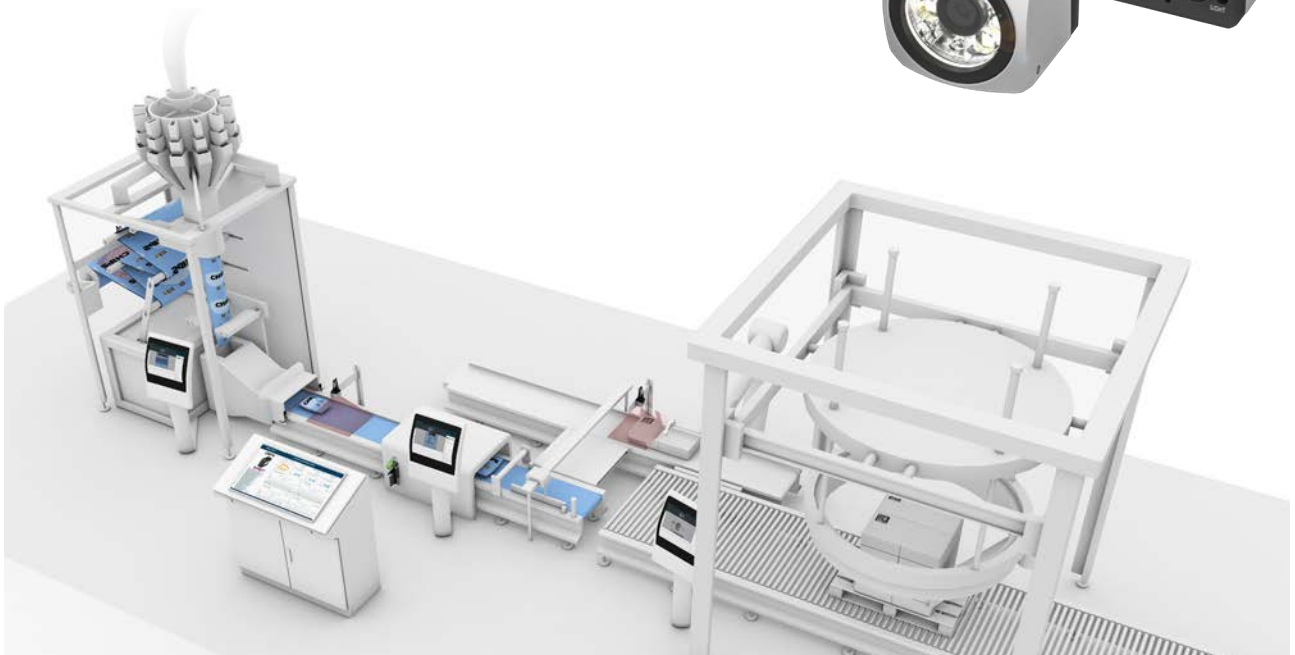
Capture, verify and pass on optical codes

For product identification within production or logistics processes, barcodes or 2D codes are located on the product packaging or directly on the components. With the new IdentSensor from Balluff, such optical codes can not only be read, but – code contents and types can be verified and provided or analyzed with regard to their quality, depending on the application.

The results themselves can be passed on quickly and easily to the PLC or IT systems via various interface channels. The bottom line is that you ensure efficient workflows in your automated production or packaging processes.

Features

- Reliable code reading with the simplest operation
- IO-Link as process and data interface alternatively TCP or UDP
- This product is part of the SAMS (Smart Automation and Monitoring System)
- Additional IIoT data interfaces: MQTT and REST API
- Additional condition monitoring information for production optimization

Capture, verify and pass on optical codes on product packaging

BVS
IDENTSENSOR

	BVS0060	BVS0061
Supported codes	Standard barcodes, standard 2D codes	Standard barcodes, standard 2D codes
Functionality	1-click auto-setup, read optical codes, analyze, verify	1-click auto-setup, read optical codes, analyze, verify
Condition monitoring	Temperature, vibration, humidity, position, signal quality, operating time	Temperature, vibration, humidity, position, signal quality, operating time
Working distance	50...600 mm	50...600 mm
Sensor resolution	1280 × 960 Pixel	1280 × 960 Pixel
Integrated lighting	White/red	White/infrared
Process data interface	IO-Link, TCP, UDP	IO-Link, TCP, UDP
IIoT interface and protocols	MQTT, REST API	MQTT, REST API
User interface	Sensor app as web client	Sensor app as web client
Dimension	56 × 56 × 65.5 mm	56 × 56 × 65.5 mm
IP rating	IP67	IP67

ACCESSORIES

	BAM03AC	BAM01YP	BAM00WN	BAM024T	BAM002R
Description	Vision holding system	Quick-change plate	Mounting brackets	Sensor mounting system	Mounting rod Ø 12 mm, length 150 mm

CONNECTORS

	BCC032H	BCC032J	BCC039M	BCC039P	BCC0HZK	BCC0HZL
Description	Power cable	Power cable	IO-Link cable	IO-Link cable	GigE cable	GigE cable
Connection 1	M12 female, straight, 5-pin, A-coded	M12 female, straight, 5-pin, A-coded	M12 female, straight, 5-pin, A-coded	M12 female, straight, 5-pin, A-coded	M12 male, straight, 8-pin, X-coded	M12 male, straight, 8-pin, X-coded
Connection 2			M12 male, straight, 4-pin, A-coded	M12 male, straight, 4-pin, A-coded	RJ45 male, straight, 8-pin	RJ45 male, straight, 8-pin
Cable	5 m, PUR black, drag chain compatible	10 m, PUR black, drag chain compatible	2 m, PUR black, drag chain compatible	5 m, PUR black, drag chain compatible	2 m, PUR green, shielded	5 m, PUR green, shielded

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