

BOSSARD SMARTCAMERA

Computer vision for manual assembly



The Bossard **SmartCamera** from our Partner Sentinus combines a powerful computing unit and a high-resolution camera sensor. It can be equipped with various lenses and, thanks to the integrated computing unit, can perform modern image processing tasks in near real-time, such as checking if parts were picked from the correct box or if the correct tool was used at the right time. The camera can connect to other systems via a local network or the internet and requires a cable connection for software updates. Application without any network connection is possible upon request.

FEATURES

	PICKING		LABELLED CABLE ROUTING
	PLACING		QUANTITY INSPECTION
	OK/NOK (Positioning & Difference)		BARCODE / QR CODE READING
	TOOL USAGE		DOCUMENT OCR
	OUTLIER DETECTION		DEFECT DETECTION

YOUR BENEFITS

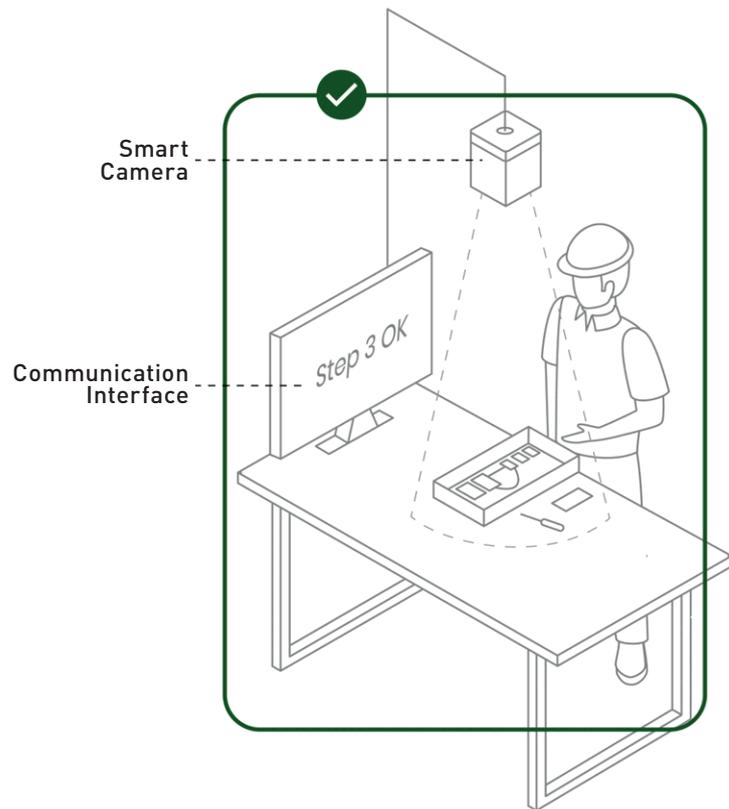
- **High-Resolution Imaging:** Ensures precise monitoring and quality assurance.
- **Real-Time Analysis:** Allows immediate error detection and correction.
- **Seamless Integration:** Easily works with ELAM solutions for smooth data processing.
- **Versatile Applications:** Suitable for tasks like component verification and barcode scanning.
- **Enhanced Quality Control:** Reduces human errors and ensures consistent accuracy.
- **Automated Documentation:** Optionally records images and data for easy traceability.
- **Customizable Configurations:** Adaptable to specific assembly needs.

BOSSARD SMARTCAMERA

Integrated seamlessly with ELAM solutions, SmartCameras can automatically verify assembly steps, correct tool usage, detect defects, and ensure product quality with unparalleled accuracy. They contribute to higher efficiency, automated documentation, and reduce human error, making them invaluable for quality assurance and production optimization.

SmartCamera Solutions can elevate your assembly accuracy and reliability.

If you have specific needs, please reach out to us. We offer tailored solutions to match your unique requirements.



Technical Data

Height	110 mm
Width	102 mm
Depth	125 MM
Weight	500 g
Mounting Option	VESA MIS-D (75mm x 75mm, M4 screws)
Optical Sensor	SONY IMX 477
Resolutions / fps	3840 X 2160 PIXELS AT 20 FPS, 1920 X 1080 PIXELS AT 40 FPS
CPU	Arm Cortex-A78AE v8.2 64-bit
GPU	Nvidia Ampere
RAM (shared between CPU and GPU)	16 GB LPDDR
AI performance	Up to 100 (Sparse) INT8 TOPs and 50 (Dense) INT8 TOPs
Lens mount	C
Focal length included lens	2.8 - 12mm zoom lens (FOV: 125 ° -43 °, 120 ° -38 °)
Power requirements (adapter included)	12V / 5A (60W) DC

If you have any questions concerning
Bossard SmartCamera or Smart Factory Assembly?
Please reach out to www.bossard.com.

