



# SmartCam

## Optical Inline Q-check

### Quality check during the forming process

The SmartCam was mainly developed for detecting respectively measuring special quality characteristics already during the material processing in the forming press. Thanks to the robust and thin design as well as the integrated fully configurable lighting and the TOF-autofocus the camera can take images

from defined regions inline. Various processor variants enable also more complex calculations directly in the line. Through a big variety of different interfaces (Ethernet, ioLink, 5G, WLAN ...) the results can be passed to the corresponding database.

All these functions are combined through evoFLOW, a graphical fully web based tool for sequence definition. Finally it is also possible for an operator not specialised to image processing or programming to create and run new customised flows.

### At a glance:

- SmartCam with a robust design
- Fully configurable Internal lighting
- Various connection possibilities
- Autofocus with Integrated TOF-measurement
- Webbased APP for configuration of evoFLOW
- Integrated display for visualization of the current settings



it's possible!  
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Here you can find further  
information and videos:



<https://www.evopro-ag.de/evoviu>

# evoTrQ Optical Inline Q-check

## FEATURES

### process parameters:

camera resolution (image size)	5 Mpixel, monochrome or color
Focus distance:	<100mm up to 1000 mm
Colour of integrated lighting:	RGB-color scheme
Produktdurchsatz:	30 parts / min
Detectable characteristics:	opacifying details on galvanized steel and aluminum

## TECHNICAL DATA

### dimensions in mm (l x w x h):

camera wo connectors:	91,50 x 70,50 x 62,00 mm
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### weight:

camera with integrated lighting:	500 g
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### power supply:

rated current:	0,5 A
rated voltage:	24 VDC
Wide Input Voltage Range:	9 up to 28 VDC

rated power:	15 W
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### processor:

i.MX8M QUAD-Core Cortex A53, 1.5 Ghz + Cortex M4 266 Mhz  
4 GB DDR3 RAM – 16 GB eMMC

### operating system:

Embedded Linux

### interfaces:

electrical supply:	5pol M12- Plug – B-coded
Triggering:	Hardware up to 24 VDC, Software
Communication:	8pol M12-Buchse X-coded / wireless
Choosable Com-standards:	Ethernet (10 / 100 / 1000 Mbit) Wifi (802.11 ac / a / b / g / n) IO-Link 1v1 Profinet (in planning) 5G-Ready (in planning) Alternative interfaces due to customer specification
Internal lighting:	Changeable Helios LED Board with optional color selection (blue, red, green)
External lighting:	Digital LED-lighting for RGB color scheme