



SK ident

How to master the variety of articles

Smart Klaus for automatic optical identification

Automatic identification

Assignment

Easy teach-in

Smart Klaus recognizes articles - even without barcodes, QR codes or RFID - and displays the corresponding master data.

Your advantages at a glance

- Reduction of long search times for the correct article description
- Reliable allocation of your articles in seconds
- No time-consuming training of new employees
- Material costs for data matrix codes, barcodes or RFID codes are completely eliminated

Identify articles quickly and easily

The employee places the article on the work table under the camera. Smart Klaus recognizes it automatically and correctly assigns it from thousands of variants. Previously learned features make recognition quick and easy - after a few seconds, the Smart Klaus shows which article it is. Just as you wish, it reports master data such as description, article number or stock compartment.

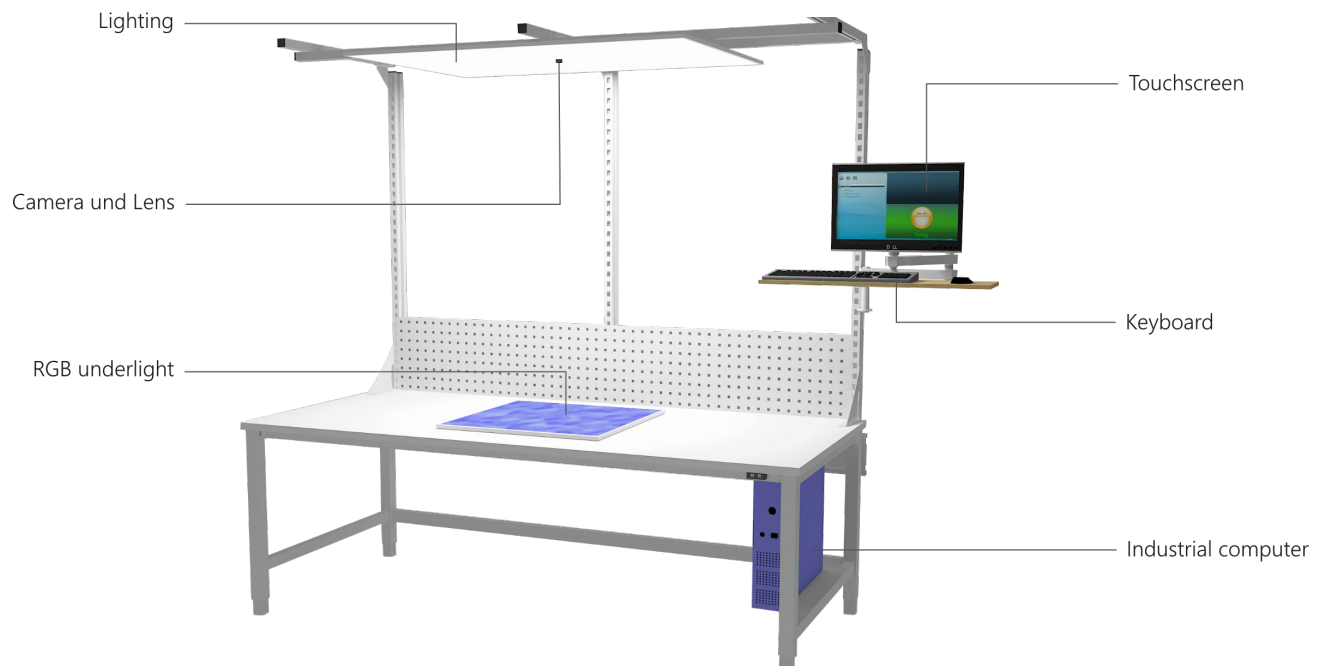
If required, the employee can print out the article data on a label printer and stick the label on the article. This way, everyone knows immediately which article it is the next time they use it.

Functions

- Easy training of new articles
- Identification of articles by optical features
- Provide and display master data for the identified article
- Interface for integration into your company IT

Extensions

- Control of peripheral devices



Technical data

Dimensions

Lighting	1.200 x 800 mm
Working distance	1.200 mm

Camera

Resolution	4912 x 3684 pixels, 18,1 megapixels
Framerate	21 fps

Field of view and detection accuracy

The field of view of the camera and the detection accuracy depend on the focal length of the used lens. Experience values are given for the detection accuracy at which Schlaue Klaus functions reliably in typical industrial environments. Under optimum ambient conditions, the process-safe detection accuracy improves by a factor of about 7.

focal length	16 mm	12 mm	8,5 mm	3,5 mm
Field of view	340 x 250 mm	700 x 500 mm	1.000 x 750 mm	2.200 x 1.600 mm
Recognition accuracy	approx. 0,5 mm	approx. 1,0 mm	approx. 2,0 mm	approx. 4,5 mm

Lighting

Power consumption	70 W
Luminous flux	approx. 7.000 Lumen
Illuminance on the work surface	approx. 2.500 Lux
Light colour	6.000 K (cold white)

Image processing computer

Powder-coated industrial computer	
Processor	Intel i7-8700, 3,7 GHz, 6 cores, 12 threads
RAM	8 GB
Hard disk	2 x 240 GB, configured as RAID 1
Operating system	Windows 10 IoT Enterprise
2 integrated Gigabit network adapters	
4 switched cold appliance outputs (total max. 1,000 W)	

Touch Monitor

Screen diagonal	21.5 inch
Resolution	1.920 x 1.080 pixels
Touch technology	Projected capacitive, 10-point Multi-Touch

Optimum datamanagement solutions GmbH

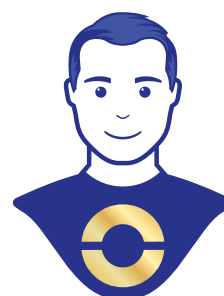
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