



Line Scan Sensor Heads

with integrated coaxial illumination

FEATURES

Modular system consisting of line scan camera, lens and LED illumination unit according to customer specifications

- Monochrome camera, from 2048 to 8160 pixels
- Color camera, up to 3x4080 pixels
- Field of view up to 90 mm
- LED illumination: Red or white
- Passive cooling

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DESCRIPTION

The Sensor Heads from Schäfter + Kirchhoff consist of a line scan camera, a lens and coaxial LED line illumination. The system is configured according to customer's requirements in order to best realize the application. Both monochrome as well as color line scan cameras are available. Based on this, the appropriate LED line illumination is selected (red, 640 nm, for monochrome; white, 5000 K, for color). The included objective lens is chosen to match the specified field of view. Due to the very good coaxial coupling of the LED line illumination into the beam path of the camera, both bright-field and dark-field imaging is possible.

The LED line illumination is supplied by a 24 V DC voltage and can be controlled via LAN or serial interface. The control via an analog input is also possible. Due to the LED Chip-On-Board technology and the low-noise power electronics a very homogeneous and stable illumination is achieved. The passive cooling of the LEDs is also suitable for harsh environments.

Please contact us for an individual offer.

Schäfter + Kirchhoff GmbH  - Optics, Photonics and Metrology

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