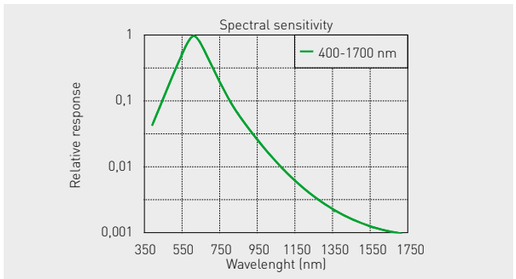
Contour near infrared (NIR) CCD camera



The near infrared Contour-IR camera is designed for observation, registration and recording radiation in the near infrared zone of the 400 - 1700 nm spectral region emitted by infrared sources such as GaAs IR LED, diode or solid-state lasers as well as for use in infrared microscopy, infrared luminescence, examination of documents, forensics, art restoration and etc.
The camera is based on a highly sensitive low-noise silicon CCD sensor and two-photon absorption phenomenon. Superior image quality is obtained thanks to the micro lens system and a special coating layer on silicon.

Main features

- Spectral region 400-1700 nm
- High sensitivity CCD camera
- Small and compact
- Tripod fixed
- Cost-effective
- Video output

Application examples

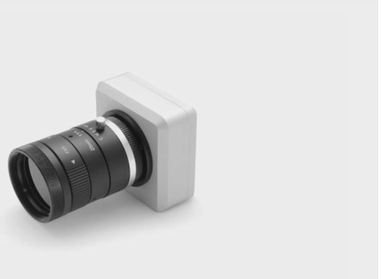
- Laser alignment and safety
- Semiconductor inspection
- Forensics and art restoration
- Photo processing
- Technical information

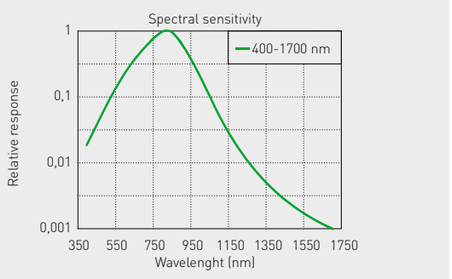
CONTOUR IR CCD CAMERA SPECIFICATIONS	
Field of view	10°
Focusing range	0,2 m (or 0,08 m with distance ring) to inf
Ration signal-to-noise	48 dB
Video output	CCIR Standard composite video
Power supply	DC 10 ... 14 V, 150 mA
Temperature range	+5 ... +40 °C
Weight	0,23 kg
Dimensions	90 x 50 x 58 mm

Standard products

SPECTRAL SENSITIVITY	SENSOR SIZE	MAXIMUM RESOLUTION	RESOLUTION AT MAXIMUM SENSITIVITY	LENS	SKU	PRICE
400-1700 nm	1/3 inches, 6,0 mm x 4,96 mm	570 TV lines	135 TV lines	F1,4/26 mm, C-mount	7660	1300 €

Contour near infrared (NIR) digital CMOS camera





The near infrared Contour IR Digital camera is designed for observation, registration and recording radiation in the near infrared zone of the 400 - 1700 nm spectral region emitted by infrared sources such as GaAs IR LED, diode or solid-state lasers as well as for use in infrared microscopy, infrared luminescence, examination of documents, forensics, art restoration, etc.
The camera is based on the newest technology CMOS sensor with an increased sensitivity, micro lenses on photocells and intensifying cascades in each element. Camera is connected to PC via USB 2.0 (USB 3.0) cable.

Main features

- Spectral region 400-1700 nm
- Newest technology CMOS sensor with micro lenses
- Controlled from a computer via USB2.0 and USB3.0
- High sensitivity
- IR cut-off filter and case included

Application examples

- Laser alignment and safety
- Semiconductor inspection
- Forensics and art restoration
- Photo processing

Specifications

CONTOUR IR DIGITAL CMOS CAMERA SPECIFICATIONS	
Sensor	CMOS 1/3" 1280 (h) x 960 (w)
Pixel size	3,75 x 3,75 µm
Dynamic range	60 dB
Ratio signal-to-noise	54 dB
Format 1	1280 x 960 (4, 8, 12.5, 16, 25, 30 Hz)
Format 2	1280 x 720 (5, 10, 15, 20, 30, 40 Hz)
Format 3	800 x 600 (6.25, 12.5, 20, 30, 40, 50 Hz)
Format 4	640 x 480 (8, 16, 25, 32, 50, 64 Hz)
Range of exposure	$3{,}4\times10^{-5}$–$3{,}4\times10^{-2}$ s
Weight	0,2 kg
Dimensions	55 x 55 x 75 mm

Standard products

SPECTRAL SENSITIVITY	SENSOR SIZE	LENS	FIELD OF VIEW	FOCUSING RANGE	SKU	PRICE
400-1700 nm	1/3 inches, 6,0mm x 4,96mm	F1,4/26mm, CS-mount	10°	0,15m to infinity	7663	1600 €