



INFRARED CAMERA CONTOUR-CMOS

PRODUCT FEATURES

- ▲ Spectral region is 400 - 1700 nm
- ▲ Newest technology CMOS sensor with micro lenses and intensifying cascades
- ▲ High sensitivity
- ▲ User-friendly software

APPLICATIONS

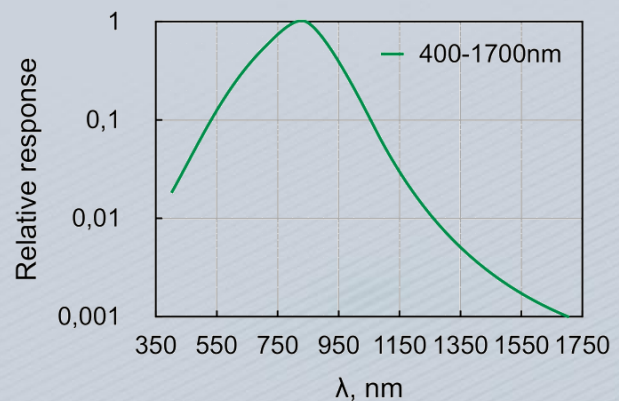
- ▲ Laser alignment and safety
- ▲ Semiconductors inspection
- ▲ Forensics and art restoration
- ▲ Photo processing
- ▲ Thermal imaging

SCOPE OF SUPPLY

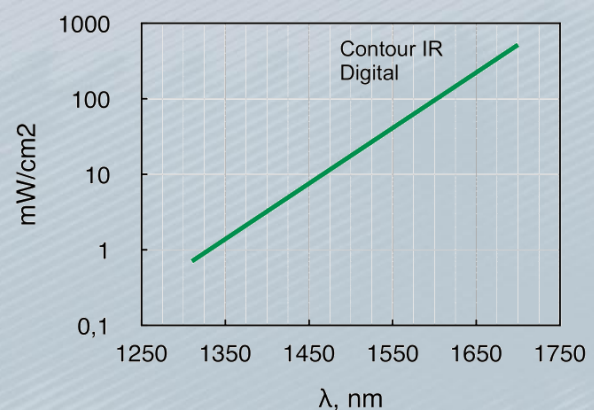
- ▲ IR camera with lens F1.4/25mm with internal iris
- ▲ C-Mount Adapter
- ▲ Mounted IR cut-off filter
- ▲ USB cable
- ▲ Software
- ▲ Manual and case
- ▲ Tripod

CONTOUR-CMOS digital camera allows observation and recording of radiation in the near-infrared region from 400 to 1700 nm. The digital camera is suitable for applications such as laser alignment, safety control, optical assembly, infrared microscopy, infrared luminescence, examination of documents, forensics and art restoration. It is based on a CMOS sensor with increased sensitivity, micro lenses on photocells and intensifying cascades in each element.

SPECTRAL SENSITIVITY



POWER DENSITY



Required minimum power density at 0.15 m distance

SPECIFICATIONS

Model	CONTOUR-CMOS
Spectral sensitivity	400-1700 nm
Required power density	300 - 500 $\mu\text{W}/\text{cm}^2$ @ 1310 nm, 20 - 50 mW/cm^2 @ 1550 nm, 80 - 100 mW/cm^2 @ 1700 nm
Sensor size	1/3 inches, 6.0mm x 4.96mm
Lens	F1.4/25mm, CS-mount
Field of view	10°
Focusing range	0.05m* to inf
Sensor	CMOS 1/3" 1280 (h) x 960 (w)
Size of pixel	3.75 x 3.75 μm
Dynamic range	60 dB
Signal to noise ratio	54 dB
Format 1	800x600 pixels (10, 13.3, 16, 20 or 32 Hz)
Format 2	1280x960 pixels (8, 10.67, 12.8, 16 or 25.6 Hz)
Format 3	1280x720 pixels (6.25, 8.33, 10, 12.5 or 20 Hz)
Format 4	920x720 pixels (8.75, 11.67, 14, 17.5 or 28 Hz)
Format 5	640x480 pixels (12.5, 16.67, 20, 25 or 40 Hz)
Range of exposure	34 μs – 34 ms
Temperature range	+5... +40 °C
Weight	0.2 kg
Dimensions	49x49x75 mm ³
Power supply	connected to PC via USB cable

AVAILABLE ACCESSORIES

- ▲ Neutral density filter to lens F1.4/25mm (1.5-2%@1064nm)
- ▲ Zooming lens 5-50mm, FOV (50° - 5.5°)