



INFRARED VIEWERS CONTOUR-CCD

PRODUCT FEATURES

- ▲ Spectral region is 400 - 1700 nm
- ▲ High sensitivity CCD camera
- ▲ Small and compact
- ▲ Hand-held / tripod fixed
- ▲ Cost-effective
- ▲ Video output

APPLICATIONS

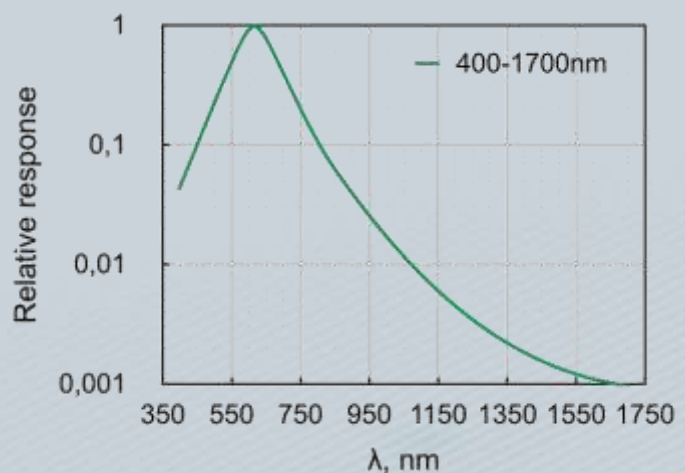
- ▲ Laser alignment and safety
- ▲ Semiconductors inspection
- ▲ Forensics and art restoration
- ▲ Photo processing
- ▲ Thermal imaging

SCOPE OF SUPPLY

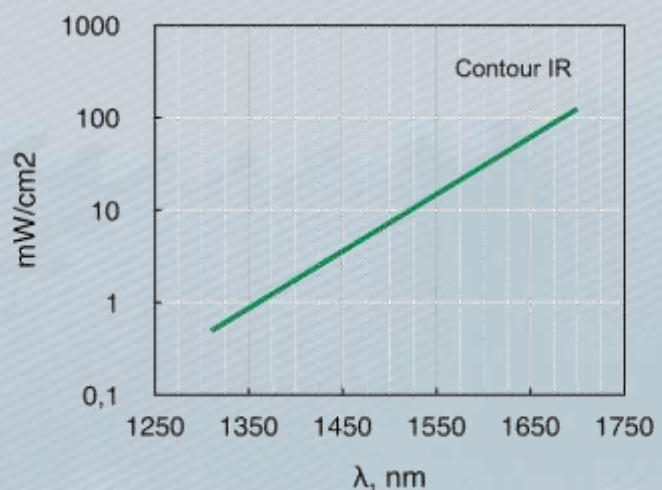
- ▲ IR camera
- ▲ Distance ring
- ▲ IR cut-off filter
- ▲ Manual and case

The CONTOUR-CCD camera is a cost-effective solution for observation, registration and recording of infrared radiation in a wide spectral region. The camera is based on a highly sensitive low-noise silicon CCD sensor.

SPECTRAL SENSITIVITY



POWER DENSITY



Required minimum power density at 1 m distance

SPECIFICATIONS

Model	CONT-CCD
Sensor type	CCD
Spectral sensitivity	400-1700 nm
Sensor size	1/3", 6.0mm x 4.96mm
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
Max. resolution	570 TV lines
Resolution at max. sensitivity	135 TV lines
Lens	F1.4/26mm, CS-mount
Field of view	10°
Focusing range	0.2m (or 0.1m)* to inf
Signal-to-noise ratio	48 dB
Gamma	0.45
Video output	CCIR standard composite video
Range of exposure	10 μs – 20 ms
Power supply	DC 10... 14V, 150mA
Temperature range	+5... +40°C
Weight	0.23 kg
Dimensions (mm)	50x58x90

* With distance ring.

AVAILABLE ACCESSORIES

- ▲ Iris diaphragm
- ▲ Neutral density filter to lens F1.4/26mm (2%@1064nm)
- ▲ Microscope adapter