



OPTOGAMA

Contour IR digital CMOS camera



Main feature

- 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, case and more are included

Application examples

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

The near infrared CONTOUR IR Digital camera is designed for observation, registration and recording radiation in near infrared zone in 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 the newest technology CMOS sensor with increased sensitivity, micro lenses on photo cells and intensifying cascades in each element. Camera is connected to PC via USB 2.0 (USB 3.0) cable.

Contour IR digital CMOS camera specifications

Sensor CMOS 1/3" 1280(h)x960(w)

Pixel size 3,75x3,75 μm

Dynamic range 60 dB

Ratio signal-to-noise 54 dB

Format 1 1280x960 (4, 8, 12.5, 16, 25, 30 Hz)

Format 2 1280x720 (5, 10, 15, 20, 30, 40 Hz)

Format 3 800x600 (6.25, 12.5, 20, 30, 40, 50 Hz)

Format 4 640x480 (8, 16, 25, 32, 50, 64 Hz)

Range of exposure $3,4 \times 10^{-5}$ – $3,4 \times 10^{-2}$ s

Weight 0,2kg

Dimensions (LxWxH) 55x55x75 mm