

FlexInspector

Flexible endoscope system

Technical Data Sheet (short form)

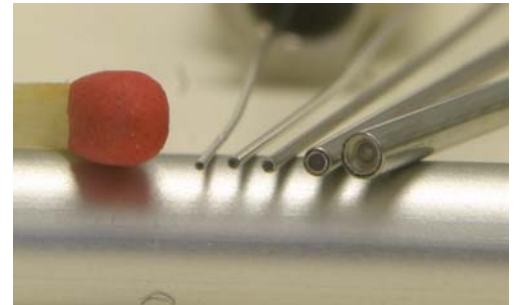
Overview:

Flexible endoscopes

- semi-flexible fibre endoscopes with integrated light and steel capillary with rugged design.
- possible use of one ocular unit with any of the flexible fibre endoscopes below helps save costs.
- up to 10.000 pixels for high-resolution images.
- worldwide unique system.

available diameters:

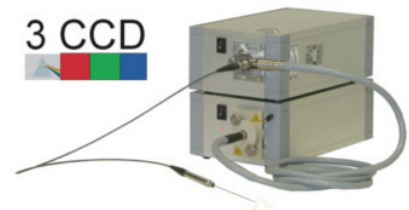
- ▶ 0.28mm, 1.600 pixels, no integrated light
- ▶ 0.32mm, 1.600 pixels, **integrated** light
- ▶ 0.42mm, 3.000 pixels, integrated light
- ▶ 0.50mm, 6.000 pixels, integrated light
- ▶ 0.70mm, 6.000 pixels, integrated light
- ▶ 1.00mm, 10.000 pixels, integrated light



Camera unit:

- ultra-high optical sensitivity
- compact & rugged design for technical puposes
- 3CCD camera design with specially programmed DSP for endoscope applications
- optional RS232 control of the camera unit
- magnification of the separate zoom/ocular unit between 2x – 10x

- ▶ 1.208 x 882 pixels, 530 TV lines
- ▶ more than 50 dB
- ▶ backlight compensation: ON/OFF
- ▶ aperture control: 16 steps
- ▶ video output: Y/C or S-VHS
- ▶ power consumption: 90 ... 240 Volts AC, < 12 Watts
- ▶ weight: 2,500g without wires
- ▶ fuses: 2 x 250mA
- ▶ integrated fan



Light source:

- ultra bright XENON cold light source VIS, also available in UV
- compact, low noise and rugged design for technical purposes
- to be used with any light cable thanks to changeable adapters (light source)
- iris shutter light control without change of color temperature
- up to 6.000 hours lifetime (bulb), average lifetime: 3.500 hours
- switch on/off cycles under 0.3 sec.

- ▶ 35W and 50W model
- ▶ power consumption: 90 ... 240 Volts AC, approx. 65 Watts
- ▶ light intensity: up to 5500lm ± 450lm
- ▶ electrically controlled fan for low noise applications