# Flexia C1 Zoom HM, High Magnification, ESD-protected

## Product no. OP-019 166

**Lightweight, Mobile, highly Flexible and ESD-protected** video (digital) microscope with specially designed Zoom Optics and built-in High Intensity White LED Illumination developed for applications, which demand Flexibility, High Resolution and High Magnifications at a Large Working Distance.

Flexia C1 HM ESD creates extremely bright pictures without distortion and with excellent colour at a large range of magnifications on your CRT, TFT, PC or any TV Monitor.

Flexia C1 HM ESD is suitable for Visual inspection, Quality control, PCB rework, Soldering, BGA solder ball inspection Real-time monitoring of manufacturing processes, Automation, Non-contact dimensional measurements, Digital picture/video Recording, Documentation and Reporting.

Digital 1.3MPixel image sensor and non-ESD version of Flexia C1 HM is also available.

### Specification

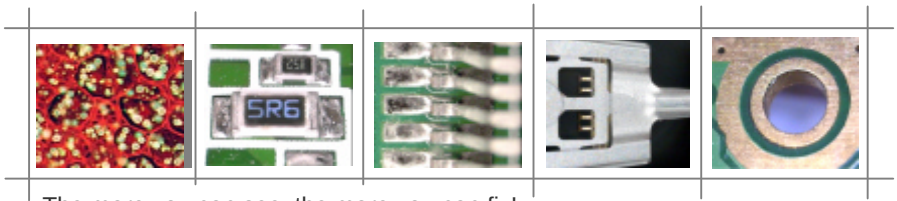
| | |
|---|---|
| Image Sensor | ¼ " High Resolution SuperHAD$_{TM}$ Colour CCD |
| Analogue Video Signal | Composite PAL, 1 V t-t/75 O (NTSC on request) |
| Digital Video Signal | High speed USB2.0 |
| Spectral Response | 400-900 nm without IR-Filter. 400-640 nm with IR-Filter |
| Magnification | ~ 100x – 5x on 14" monitor |
| Field of View | ~ 4 mm – 45 mm |
| Working Distance | ~ 20 mm – 500 mm |
| Illumination | Integrated Ring Light, high intensity white LEDs, 12000 mcd |
| Storage Environment | -20° – +60° C, Max 98% RH, non-condensing |
| Operating Environment | 0° – +45° C, Max 95% RH, non-condensing |
| Power Source | 14.0±2.0 VDC, 200 mA min. |
| Size/Weight | 150x50x36 mm (LxHxW). 180 gr. Max. |
| Others | ESD-protected |

Following items are included when you purchase OP-019 166:

- Flexia C1 ESD, HM incl. 100x Objective Lens
- Macro Zoom unit 10-100x for Flexia HM with built-in RingLight (without support pin)
- Y-Cable for External Monitors
- Composite Extension Cable 1.5 m
- Power supply, user's manual

EPA

PAL NTSC FireWire USB



The more you can see, the more you can fix!