

Lightweight, Mobile and highly Flexible Video Microscope with Zoom optics and built-in LED illumination adaptable to different applications, which specially demand High-Resolution, Mobility, Image Recording and Fast Field Deployment



Produces High-Resolution pictures with excellent colour at a large range of magnifications on your CRT, TFT, PC or any TV Monitor



Designed for Inspection, Quality Control, Process Monitoring, Non-contact Dimensional Measurement, Digital Image Recording & Documentation of magnified picture of objects in any location.

Flexia C1 Video Inspection Microscope



Flexia C1 Borescope

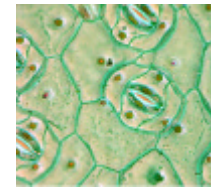
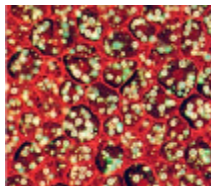
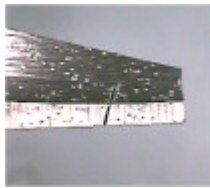
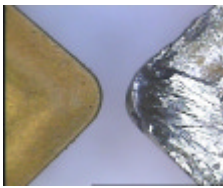
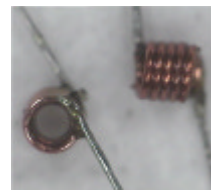
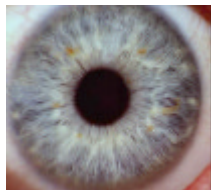
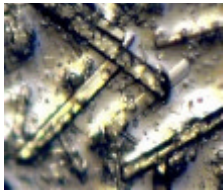


Picture on Monitor



Free-hand operation

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



Included items:

when you order Flexia C1 zoom, **Item No. OP-019 119**
or the ESD-protected version, **Item No. OP-019 003**

1. Flexia C1 basic camera unit
2. 100x Objective lens
3. 1-60x zoom lens with built-in RingLight
4. Y-cable for external monitors
5. Power supply
6. User's manual

Optional accessories:

Lenses, illumination:

250x Objective lens
Item No. OP-019 114

500x Objective lens
Item No. OP-019 116

Ring-light white LED
Item No. OP-019 111



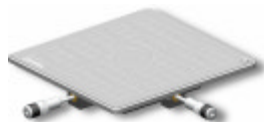
Software:

Picsara, database and
measurement software
Item No. OP-006 118



XY-translation stage

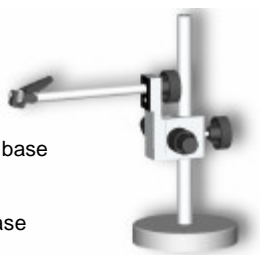
XY-Translation board,
inclusive 2x quick-feed
micrometer spindles
Item No. OP-006 109



Stands:

Focusing stand, circular base
Item No. OP-006 267

Focusing stand, large base
Item No. OP-006 183



Application

Visual Inspection and Digital Picture Recording of:

Machined parts and assemblies.
Cutting edge tools and wear-out in CNC machines.
Gluing process.
Stripping and assembly of cables.
Micro cracks in aircraft parts, engines, turbine blades.
Fibers in paper and textile industry.
Plastic parts and injection molds.
Metallurgical and Welding examination.
Crime investigation and Forensic analysis.
Inspection and identification of pollen, insects, stones etc.
Inspection of Electronic boards, Components, Connectors,
Wire-Bond, and Soldering.
Documentation, Digital image recording.
Software Analysis and Measurements
Real time presentation.

Specification

- 1/4 " Sony SuperHAD™ Color CCD
- Image Sensor 400-900 nm without IR-Filter.
- Spectral Response Composite PAL, 1 V t-t/75 O (NTSC)
- Video Signal Zoom 1-60x. Fix 100x, 170x, 250x and 500x
- Magnification 8 to 4 mm (depending on magnification)
- Working Distance 1000 mm to 0,5 mm (depending on magn.)
- Field of View Built-in RingLight, white LED, with dimmer
- Illumination -20° – +60° C, Max 98% RH, non-condensing
- Storage Environment 0° – +45° C, Max 95% RH, non-condensing
- Operating Environment Power Source 14.0±2.0 VDC, 200 mA min.
- Size (Flexia) 140x50x36 mm (LxHxW).
- Weight (Flexia) 180 gr. Max.
- Optional accessories
 - Various Zoom or Fixed focal length lenses.
 - Various Borescope lenses. Various TFT LCD monitors. Various Focusing Stands. (Large base. ESD-protected, etc.). USB2.0 and FireWire Frame Grabbers for recording digital pictures. Measurement & Archival System Software. XY-translation boards. Battery Unit. Aluminium or soft transport case with shoulder strap.



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Web: www.optilia.eu

Distributor:

Ordering information:

Item	Article No.
Flexia C1 Zoom, Basic Kit	OP-019 119
Flexia C1 Zoom, Basic Kit (ESD-protected)	OP-019 003
170x Fixed Focal Length Objective	OP-019 113
250x Fixed Focal Length Objective	OP-019 114
500x Fixed Focal Length Objective	OP-019 116
Ring Light White LED for 100x & 170x lenses	OP-019 111
Diffuse Ring Light for 500x lens	OP-006 206
Picsara Software & Frame Grabber	OP 006 113
Focusing Stand, Circular Board	OP-006 049

