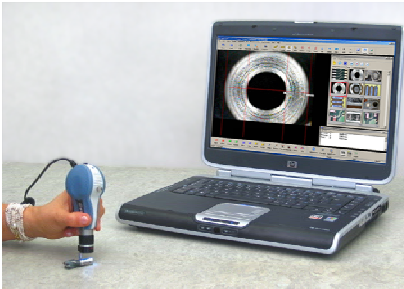


Industrial grade, lightweight and highly flexible digital video microscope with zoom optics and built-in long-life LED illumination adaptable to different applications, which demand excellent image quality, flexibility, digital image recording and documentation



Produces high-resolution digital pictures with excellent colour at a wide range of magnifications on your laptop or PC



Designed for optical inspection, non-contact dimensional measurement, digital image & video recording and documentation of objects in any location

Flexia Definition 5.0MP Digital Video Microscope

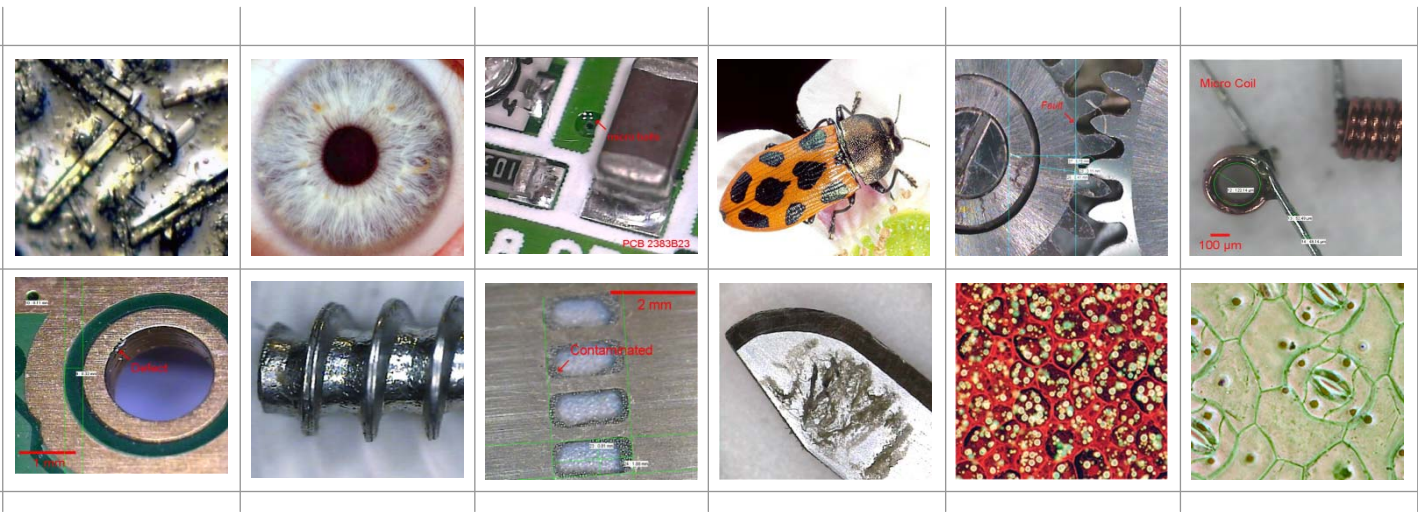


Flexia BGA Inspection

Flexia XYZ-measurement

Free-hand operation

Empowering your Vision!



Included items when you order

Flexia Definition 5.0MP Digital :

- Flexia Definition 5.0MP Digital camera
- 100x Objective lens
- OptiPix Lite, image view, capture & on-screen measurement software
- Installation CD, User's manual

Optional accessories:

Lenses:

Side Viewing BGA lens
Item No. [OP-006 560](#)

250x Objective lens
Item No. [OP-019 114](#)

500x Objective lens
Item No. [OP-019 116](#)



Software:

OptiPix Full, image view,
capture and measurement
No. [OP-006 119](#)



XY-translation stage

XY-Translation board,
inclusive 2x quick-feed
micrometer spindles
Item No. [OP-006 109](#)



Stands:

Focusing Stand, Coarse/fine
Item No. [OP-006 269](#)

Focusing stand, circular base
Item No. [OP-006 049](#)



Applications:

Inspection of electronics, assembled PCBs, components, soldering.
Optical inspection of solder balls of BGA, μ BGA and CSP components.
Inspection of machined parts and assemblies.
Non-contact dimensional measurements.
Micro cracks in aircraft parts, engines, turbine blades, etc.
Cutting edge tools and wear-out in CNC machines.
Stripping and assembly of cables.
Fibres in paper and textile industry.
Plastic parts and injection moulds.
Metals and welding examination.
Inspection and identification of pollen, insects, stones etc.
Biology, pathology, veterinary and scientific examinations.
Crime investigation and forensic analysis.
Documentation, digital image recording and archiving.
web conferencing and presentations of live or still pictures over the Internet.

Specification:

- | | |
|-----------------------|--|
| Image Sensor | ● Colour 5.0 Mpixel CMOS (2592x1944) |
| Connection | ● USB2.0 serial bus |
| Frame rate | ● 5.6 fps @ 2592x1944 13.2 fps @ 1920x1080 |
| Software controls | ● White balance control, Gain control, Electronic shutter control. |
| Magnification | ● Varifocal lens 1-100x. Fix 100x, 170x, 250x and 500x fix focal length lenses |
| Working Distance | ● 500 - 4 mm (depending on magnification) |
| Field of View | ● 500- 0,4 mm (depending on magnification) |
| Illumination | ● Integrated Ring light, 12 white LEDs with electronic intensity control (dimmer) |
| Storage Environment | ● -20° – +60° C, Max 98% RH, non-condensing |
| Operating Environment | ● 0° – +45° C, Max 95% RH, non-condensing |
| Power Source | ● Directly via USB bus of host computer |
| Size (Flexia) | ● 140x50x36 mm (LxHxW). |
| Weight (Flexia) | ● 200 gr. Max. |
| Accessories | ● Various zoom, fixed focal length and endoscope lenses. Illumination options. Various mechanical mounts and stands. |



Flexia Definition with Analogue (PAL) camera also available

Optilia Instruments AB

Address:

Djupdalsvägen 22
S-192 51, Sollentuna
Sweden

Phone: +46 (0)8 35 33 60

Fax: +46 (0)8 35 33 63

E-mail: Info@optilia.eu

Web: www.optilia.eu

Retailer:

Ordering information:

| | Product No. |
|---|-------------|
| Flexia Definition Digital 5.0MP HM with 100x lens, ESD-protected | OP-019 197 |
| Flexia Definition Digital 5.0MP HM with 1-100x Varifocal lens, ESD-protected | OP-019 195 |
| Flexia Definition Digital 5.0MP with 100x lens, ESD-protected | OP-019 191 |
| Flexia Definition Digital 5.0MP with 1-100x Varifocal lens, ESD-protected | OP-019 193 |
| Flexia Definition Analogue (PAL) HM with 100x lens, ESD-protected | OP-019 152 |
| Flexia Definition Analogue (PAL) HM with 1-100x Varifocal lens, ESD-protected | OP-019 166 |
| Flexia Definition Analogue (PAL) with 100x lens, ESD-protected | OP-019 001 |
| Flexia Definition Analogue (PAL) with 1-100x Varifocal lens, ESD-protected | OP-019 003 |

