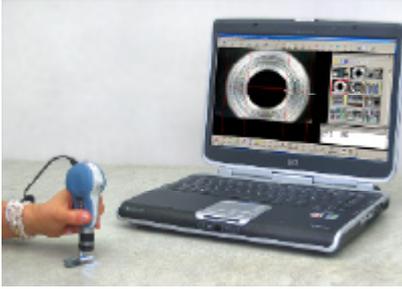
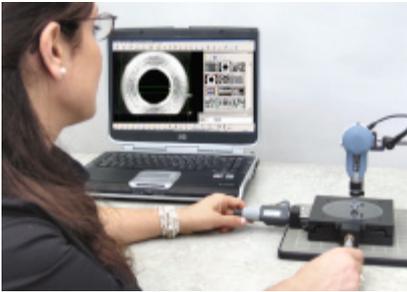


Industrial grade, lightweight and highly flexible digital video microscope with zoom optics and built-in long-life LED illumination adaptable to different applications, which demand excellent image quality, flexibility, digital image recording and documentation



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

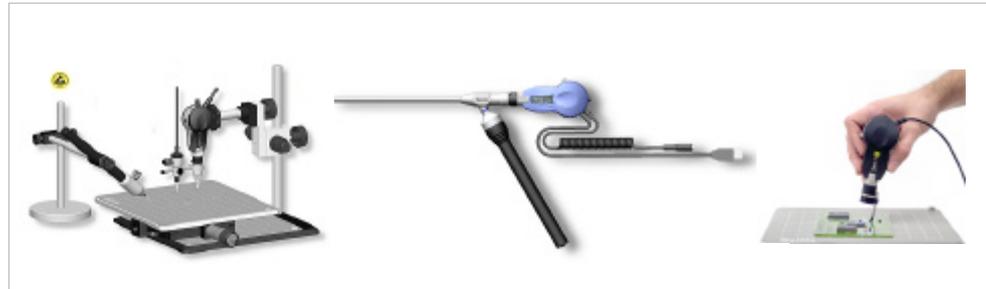


Designed for optical inspection, non-contact dimensional measurement, digital image & video recording and documentation of objects in any location

# Flexia Definition, Digital video Microscope



High speed  
USB 2.0 interface



With BGA lens and stand

With Endoscope lens

Free-hand operation

## High quality, Flexible Visual Inspection Systems!



## Included items when you order

Flexia Definition Digital HM:  
Flexia Definition Digital:

- Flexia Definition Digital 2.0MP camera
- 100x Objective lens
- Optipix Lite, image view, capture & on-screen measurement software
- Installation CD, User's manual

## Optional accessories:

### Lenses:

1-100x varifocal lens  
Item No. [OP-019 407](#)

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

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



## Application

Inspection of electronics, assembled PCBs, components, soldering.  
Inspection of machined parts and assemblies.  
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.  
Software analysis and non-contact dimensional measurements  
Real time presentation on large monitors or via projectors.  
web conferencing and presentations of live or still pictures over the Internet.

## Specification

- Image Sensor • Colour 2.0 Mpixel CMOS (1600x1200)
- Connection • USB2.0 serial bus
- Frame rate • 10 fps at 1600x1200, 30 fps at 800x600
- Software controls • White balance control, Gain control, Electronic shutter control, Gamma, Sharpness, Image size control etc.
- Magnification • Varifocal lens 1-100x. Fix 100x, 170x, 250x and 500x objective 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 dimmer function
- 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

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Phone: +46 (0)8 35 33 60  
Fax: +46 (0)8 35 33 63  
E-mail: [Info@optilia.eu](mailto:Info@optilia.eu)  
Web: [www.optilia.eu](http://www.optilia.eu)

## Ordering information:

Item	Product No.
Flexia Definition HM Digital with 100x lens, ESD	OP-019 197
Flexia Definition Digital with 100x lens, ESD	OP-019 191
Flexia Definition HM (PAL) with 100x lens, ESD	OP-019 152
Flexia Definition (PAL) with 100x lens, ESD	OP-019 001
Flexia Definition HM Digital with 100x lens, Blue	OP-019 196
Flexia Definition Digital with 100x lens, Blue	OP-019 190
Flexia Definition HM (PAL) with 100x lens, Blue	OP-019 159
Flexia Definition (PAL) with 100x lens, Blue	OP-019 151

Retailer:

