

W30x-HD

High Definition Optical Inspection System





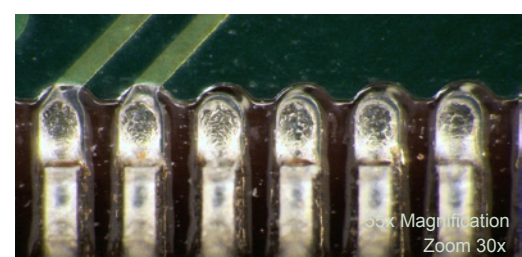
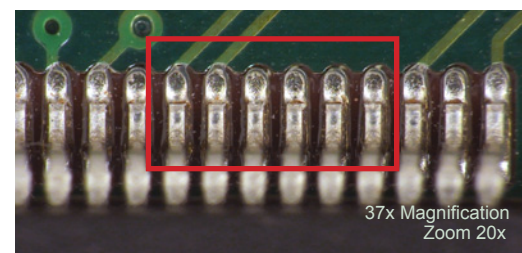
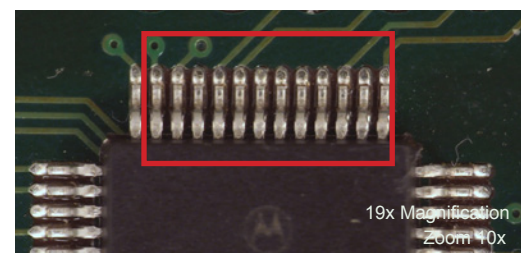
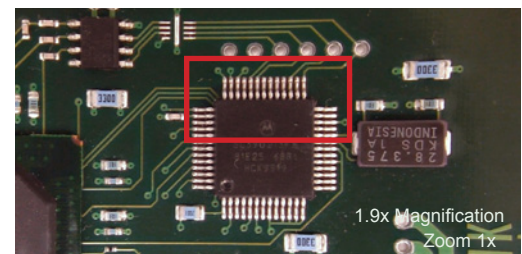
Making inspection easier

Professional High Definition inspection camera microscope with 30x optical zoom, autofocus, large working distance and laser pointer for reliable, ergonomic and fast Visual Inspection work. Connect Optilia HD camera to a High Definition monitor and take advantage of the astonishing image resolution, high contrast and true colours in your optical inspection work.

The built-in laser pointer aims at the area of interest and assists in locating it on the screen. To further simplify operations, selected functions can be controlled by a foot pedal.

System's 2 - 55x on-screen magnification (24" monitor) is comparable to common inspection microscopes. If further magnification is needed, close-up lenses can be added to magnify up to 200x.

Parameter	HD Video Inspection	Stereo Microscope
Ergonomy	Excellent	Poor
Large Working Distance	Excellent	Good
Large Field of View	Excellent	Good
Flexibility	Excellent	Good
Depth of View	Good	Excellent



"Reduce the time spent on inspection"



Designed for ergonomic use

The W30x-HD provides relief to the user's eyes, neck and shoulders. The unique Freesight design, provides 500 mm extended working distance and free sight to the monitor.

While most ocular microscopy systems offer excellent imaging, the W30x HD takes optical inspection to new dimensions and allows operators to sit comfortably in a good working position and carry out their tasks efficiently. By sitting more comfortably and watching the monitor, the inspection task is no longer tiresome.

Parameter	HD Inspection	Stereo Microscope
Ergonomy	Excellent	Poor
Video/Image record	Excellent	Optional
Documentation	Excellent	Optional
Measurements	Good	Good

The Optilia System offers greater flexibility to users with different inspection and monitoring needs. Apart from imaging excellent details, it offers true ease of use and minimal interaction with controls and settings.

Together with Optilia's various Boom and Focusing Stand models, users gain full control over the working area, distance to the object and viewing angles.

Image attributes, such as zoom, brightness, focus, aperture size, exposure time and colour are automatically set but can be also controlled manually by the user through the camera control software or from the joystick-based and user-friendly Control Unit without the need of a PC.

The W30x-HD cameras significantly reduces the time spent on inspecting parts compared with other optical visual systems.



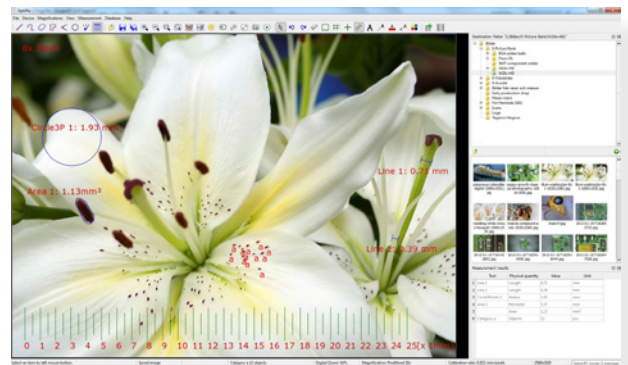
"Designed for ergonomic use and excellent working standards"



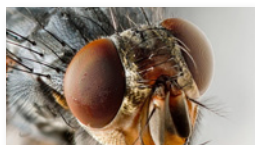
The power of a "click"

Optilia's OptiPix™ software streamlines Image Capture, Measurement and Archiving, while improving the accuracy of your results. Together with the W30x-HD, OptiPix allows you to work with live High Definition images. For further analysis, measurements or archiving, the images can easily be frozen or saved by a click or by pressing a key or a foot pedal.

Calibrated Measurements of Distance, Radius, Curve length, Area and Angles can be over-layed on images. Measurement results are automatically saved and linked to the images.



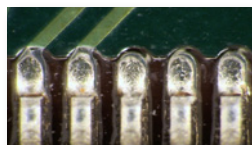
OptiPix Software allows you to define and overlay grids, rectangles, cross-hairs and CAD generated patterns or graticules on live images. The software offers flexible zooming capabilities, live-to-still and still-to-still image comparison, annotation, image information and a powerful secure database among other useful functions.



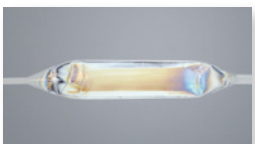
Insect eye, 20x zoom +5



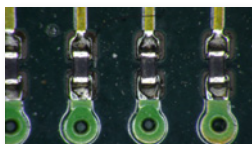
Growth, 20x zoom



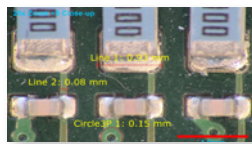
Component, 30x zoom



Plastic balloon, 10x zoom



Component, 30x zoom, +5



Electronics, 20x zoom, +5

*"Explore power of
OptiPix software
combined with
brilliance of the
HD pictures"*



Versatile, Scalable and Cost effective Full HD Video Inspection System for Fast, Ergonomic and Reliable Optical Inspection. The W30x HD has a Powerful 30x Optical Zoom with Swift Auto Focus and a Laser Pointer for Clear Inspection of your parts in True High Definition.

Optilia sets for W30x-HD inspection systems:



W30x-HD, 30x zoom Full HD Inspection System with Focusing stand , RingLight, Joystick Control Unit and 24" monitor.

Product no. OP-209 004

Included items:

Full HD Camera, 1080P with 30x zoom, laser pointer, 245mm maximum WD
+2 macro lens

Camera Control Unit with Joystick

White LED Ring-Light set with Segment Control

Focusing Stand for W30x-HD

24" HD LED monitor

Power Supply 5/12V, 30W

user's manual



W30x-HD, 30x zoom Full HD inspection system with Laser pointer, Double-rod Boom stand and Joystick Control Unit.

Product no. OP-209 003

Included items:

Full HD Camera, 1080P with 30x zoom, laser pointer, 245mm maximum WD

Camera Control Unit with Joystick

Boom Stand

Power Supply 5/12V, 30W

user's manual

* monitor not included in this kit



W30x FreeSight, Full HD 30x zoom Inspection System with Laser pointer, Single-rod Stand and Joystick Control Unit

Product no. OP-209 012

Included items:

Full HD Camera, 1080P with 30x zoom, laser pointer, 500mm maximum WD

Camera Control Unit with Joystick

Bench-top Single-rod Boom Stand (Table Clamp mount OP-006 662 on request)

Height Extender for Single Rod Boom Stand

Power Supply 5/12V, 30W

user's manual

* monitor not included in this kit

W30x-HD cameras and accessories are made of high quality components, anodized aluminum-, stainless steel- and injected plastic parts. M-version of W30x-HD features Hermetically Sealed optical system and housing which prevents deposit of dust, dirt or germs inside the camera. It is easy and safe to clean the camera with most of the antibacterial wipes and solvents. E-version of W30x-HD camera has an Antistatic housing and is safe for ESD-sensitive PCB inspection work.



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