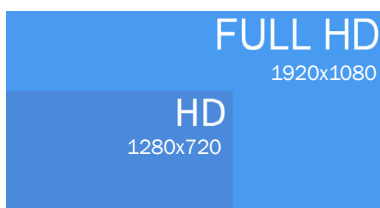




Digital Microscopes featuring extra long working distance and wide field of view optics that deliver superior, Full High Definition image quality. Available in two industrial grade models with 495mm or 985mm working distances providing magnified imaging where and how you need it!



- Superior 30:1 zoom optics with auto-focus
- On board easy-to-access lens- and camera controls
- Extra Long 495 or 985mm working distance models
- Extra Large 603 or 1180mm field of view
- Full HD 1080p, 60 fps for lag-free magnified working
- Options include ESD-protected housing and a built-in laser pointer



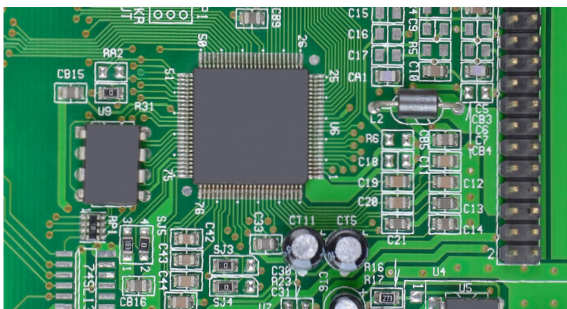
"Efficient, Ergonomic, endlessly versatile!"

Designed for ergonomic use

Inspectis F30s EWD provides relief to eyes, neck and shoulders through the unique ergonomic design, built-in laser pointer and 500-1000mm free working distance. By allowing operators to sit comfortably in a good working position with extended working distance, their inspection tasks can be carried out more efficiently.



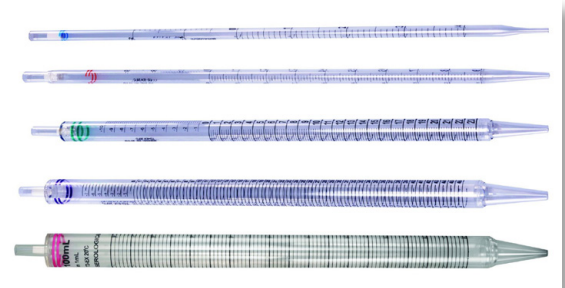
Thanks to its fast optics, and extra large field of view, F30s EWD provides an excellent image of inspecting object, especially solder joints on electronic PCBs, highly reflective metallic parts and assemblies with minimum glare and reflections.



Electronics PCB, x6 Zoom, 5.2x Mag.

The system's standard optics with 0.9 - 26x magnification (F30s WD500 model on 24" monitor) are comparable to common stereo microscopes. If further magnification is needed, a wide range of +1, +2, +3 and +5 diopter Macro Lenses can be added to magnify up to 84x.

F30s EWD is designed for a wide range of applications where extra large Working Distance and/or extra large Field of View is required.



Medtech, x6 Zoom, 5.2x Mag.



Forensic, x25 Zoom, 21.5x Mag.



Machined part, x15 Zoom, 12.8x Mag.

Connect F30s EWD digital microscope to a Full HD display or your PC via Inspectis' plug-&-play USB3.0 converter and take advantage of the astonishing image resolution, high contrast, true colours at 1:30x zoom range in your optical inspection work.

"Optimized for inspection and repair of electronic PCBs"

Making inspection reliable

F30 offers true ease of use with minimal interaction needed with controls and settings. All basic parameters such as zoom, brightness and colour levels can be controlled by the user through on-board buttons on top of the device.

When required, the optional Advanced Remote Control allows the excellence of the imaging system to be exploited further and additional useful inspection aids to be selected.

To further simplify operations, selected controller functions can be controlled by a foot pedal.



- ☐ 1:30x Zoom Optics
- ☐ AutoFocus
- ☐ On board Controls
- ☐ Aluminium Housing
- ☐ HDMI Digital Output
- ☐ Red Laser Pointer
- ☐ Modular Design
- ☐ ESD Protected
- ☐ Stable Stands
- ☐ USB3.0 Converter
- ☐ Wide range of accessories
- ☐ Advanced Remote Controller
- ☐ Knob-drive Remote Controller



Modular design of F30s EWD allows easy configuration of your optical inspection system with a wide range of stands and mounts according to your needs.



F30s EWD with Articulated Boom Stand and Rack & Pinion



Single-arm Boom Stand EXT Front Mounted F30s EWD



Single-arm Boom Stand EXT, Anti-static. Side Mounted F30s EWD

"Designed according to industry standards"

System Specifications

System:

Video Output	Full HD 1080/59.94p switchable to Full HD 1080/50p
Imager	3.2M pixels. 1920(H) x 1080(V) 16:9 format progressive scan CMOS image sensor
Pixel Size (resolution)	2.5 µm x 2.5 µm
I/O Ports	HDMI video output, 5P MiniDin Power input, 8P MiniDin External Remote Control
Onboard Control	Zoom, Iris, Auto Focus on/off, White Balance
External Remote Control	Zoom, Iris, Manual/Auto Brightness, Manual/Auto Focus, White Balance, Picture Quality Mode, Display Text, Crosshairs overlay, Image Rotate, Image Freeze, Memory Save/Recall (2 pcs), Foot-switch, Video Output Frame Rate
Illumination	External RingLight
Storage/Storage Environment	-20° - +60°C, 20 - 95% / -5 ° - +40°C, 20 - 95% RH, non-condensing
Size, Weight	φ 86,5 x 137mm exclusive cable. 1,1 kg. excluding stand

Optics:

Lens system	x30 Optical Zoom with Auto Focus and Iris Control
Working distance range, WD500	~ 350 to 495 mm (from lens to object at maximum zoom factor)
Magnification x1-x30 zoom, WD500	~ 0.9x to ~ 26x on 24" monitor (~ 2.9 to ~ 84x with +5 macro lens)
Field of View at x1-x30 zoom, WD500	~ 603 to ~ 20.1 mm (~ 186 to 6.2mm with +5 lens)
Working distance range, WD1000	~ 540 to 985 mm (from lens to object at maximum zoom factor)
Magnification x1-x30 zoom, WD1000	~ 0.9x to ~ 26x on 24" monitor (~ 1.6 to 49x with +2 macro lens)
Field of View at x1-x30 zoom, WD1000	~ 1180 to ~ 39 mm (~ 576 to 19.2 mm with +2 lens)
Laser pointer	Class 1 red LED laser with automatic through-optics alignment



Ordering numbers Inspection Systems:

Item name	Order No.
Inspectis F30, Full HD 1080p Digital Macroscope, Integrated Stand, LED, HDMI	HD-013-WD500
Inspectis F30s, Full HD 1080p Digital Macroscope, Modular, HDMI	HD-013-WD1000
With Antistatic housing	* -E
With Laser Pointer	* -L

RingLight White LED with detachable diffuser	HD-024-B
RingLight external power supply	HD-024-S
XY Floating Board, Antistatic	HD-028
Tilt Board, Antistatic	HD-029
Aluminium carrying case	HD-040
Full HD to USB3.0 converter with software Basics	HD-031
Full HD to USB3.0 converter with software Pro	HD-032
Full HD to USB3.0 converter with software Pro-X	HD-032-PX
Full HD External Image Capture & Video Recorder	HD-140
Single-arm Boom stand, Extended 500mm WD	HD-060-EXT
Single-arm Boom stand, Extended 500mm WD Antistatic	HD-060-E-EXT
Articulated-arm Boom Stand	HD-080
Rack-&-Pinion Fine Focusing module	HD-090
XY-travel Stand, In-Line	HD-170
XY-travel Stand, Table-top	HD-180

Ordering numbers optional Accessories:

Remote Camera Control with Advanced Adjustments for Inspectis Microscopes	HD-020
Foot switch for Remote Camera Control	HD-027
Macro lens +1 diopter, 67mm	HD-036
Macro lens +2 diopter, 67mm	HD-037
Macro lens +3 diopter, 67mm (Achromatic)	HD-038
Macro lens +5 diopter, 67mm (Achromatic)	HD-039

Reseller



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Quality of Inspection

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