



Superior optics, high magnification and wide zoom range designed in industrial grade aluminium housing for Full High Definition image quality, where and how you need it! Available in two industrial grade form factors, F30 with integrated stand and F30s modular.



- Superior 30:1 zoom optics with auto-focus
- On board easy-to-access lens- and camera controls
- Large practical working distance
- Fully flexible and configurable with different stands and mounts
- 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 provides relief to eyes, neck and shoulders through the unique ergonomic design, built-in laser pointer and 230 mm free working distance. By allowing operators to sit comfortably in a good working position, their inspection tasks can be carried out more efficiently.



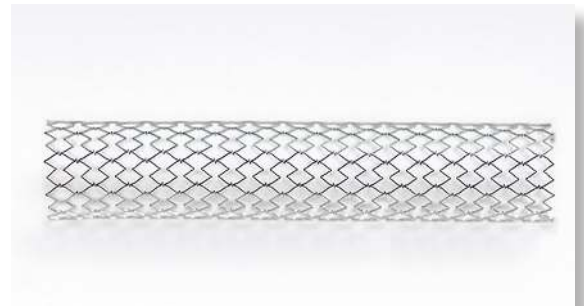
Thanks to its fast optics and large image sensor, F30s provides an excellent image of inspecting object, especially solder joints on electronic PCBs, highly reflective metallic parts and assemblies with minimum glare and reflections.



The system's standard optics with 1.9 - 56x magnification (24" monitor) are comparable to common inspection microscopes. If further magnification is needed, a wide range of +1, +2, +3, +5 and +10 diopter Macro Lenses can be added to magnify up to 170x.



Electronics PCB, x6 Zoom, 11.5x Mag.



Medtech, x30 Zoom with +5 Macro, 110x Mag.



Micro mechanis, x10 Zoom, 19x Mag.



Forensic, x25 Zoom, 48x Mag.

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



F30s with Articulated Boom Stand

Double-arm Boom Stand

Single-arm Boom Stand

F30 with integrated stand

*“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 Environment	-20° - +60 °C, 20 - 95% RH, non-condensing
Operating Environment	-5 ° - +40 °C, 20 - 95% RH, non-condensing
Size, Weight F30	395 x 240 x 360 mm including metal base, 4.5 kg. including metal base
Size, Weight F30s	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	228 mm (from lens to object at maximum zoom factor)
Magnification x1-x30 zoom factor	~ 1.9x - ~ 56x on 24" monitor (~ 170x with +10 macro lens)
Field of View at x1-x30 zoom factor	~ 270 x 151.9 mm to ~ 9.3 x 5.2 mm (~ 3.1 x 1.7mm with +10 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-012
Inspectis F30s, Full HD 1080p Digital Macroscope, Modular, HDMI	HD-013
With Antistatic housing	* -E
With Laser Pointer	* -L

RingLight White LED with detachable diffuser	HD-024-B
Polarization filter for Ring Light	HD-024-P-U
RingLight external power supply	HD-024-S
RingLight UV 365-375nm wavelength LED	HD-025
XY Floating Board, Antistatic	HD-028
Tilt Board, Antistatic	HD-029
Aluminium carrying case	HD-040
Full HD to USB3.0 Capture with Basics software	HD-031
Full HD to USB3.0 Capture with Pro software	HD-032
Full HD to USB3.0 Capture with ProX software	HD-032-PX
Full HD HDMI to USB3.0 Capture Device	HD-033
Full HD External Image Capture & Video Recorder	HD-140
Single-arm Boom stand	HD-060
Single-arm Boom stand, Antistatic	HD-060-E
Double-arm Boom Stand	HD-070
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
Macro lens +10 diopter, 67mm (Achromatic)	HD-123

Reseller

 **INSPECTIS**

Quality of Inspection

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