

Digital Microscope F40/F40s

Latest Full HD Technology!

1080p
FULL HD



Configurable, High-Resolution Optical Inspection

Full HD Digital Microscope with 60fps Video Streaming Powered by INSPECTIS[©]

 **INSPECTIS**

Quality of Inspection

Full HD 60fps video

FAST AND ACCURATE

The F40s creates vivid FHD video at 60 fps and low latency. First class F1.6 - 4.8 optics and advanced high resolution motorised zoom lens with 7-blade aperture and fast auto-focus. 226 mm free working distance with 30:1 optical zoom and 1.3x digital zoom.

The system's standard optics produces 2.5x - 100x magnification (on 28" monitor) maintaining high image quality at entire field of view. If further magnification is needed, a wide range of diopter Macro Lenses can be added to magnify up to 1130x equal to x400 optical magnification or 0.53mm field of view.



Breakthrough Technology

In addition to its high frame rate, F40s sensor provides higher sensitivity and higher dynamic range than previous FHD cameras.

Industry-leading signal processing with exceptional flicker and flare reduction for best image quality.

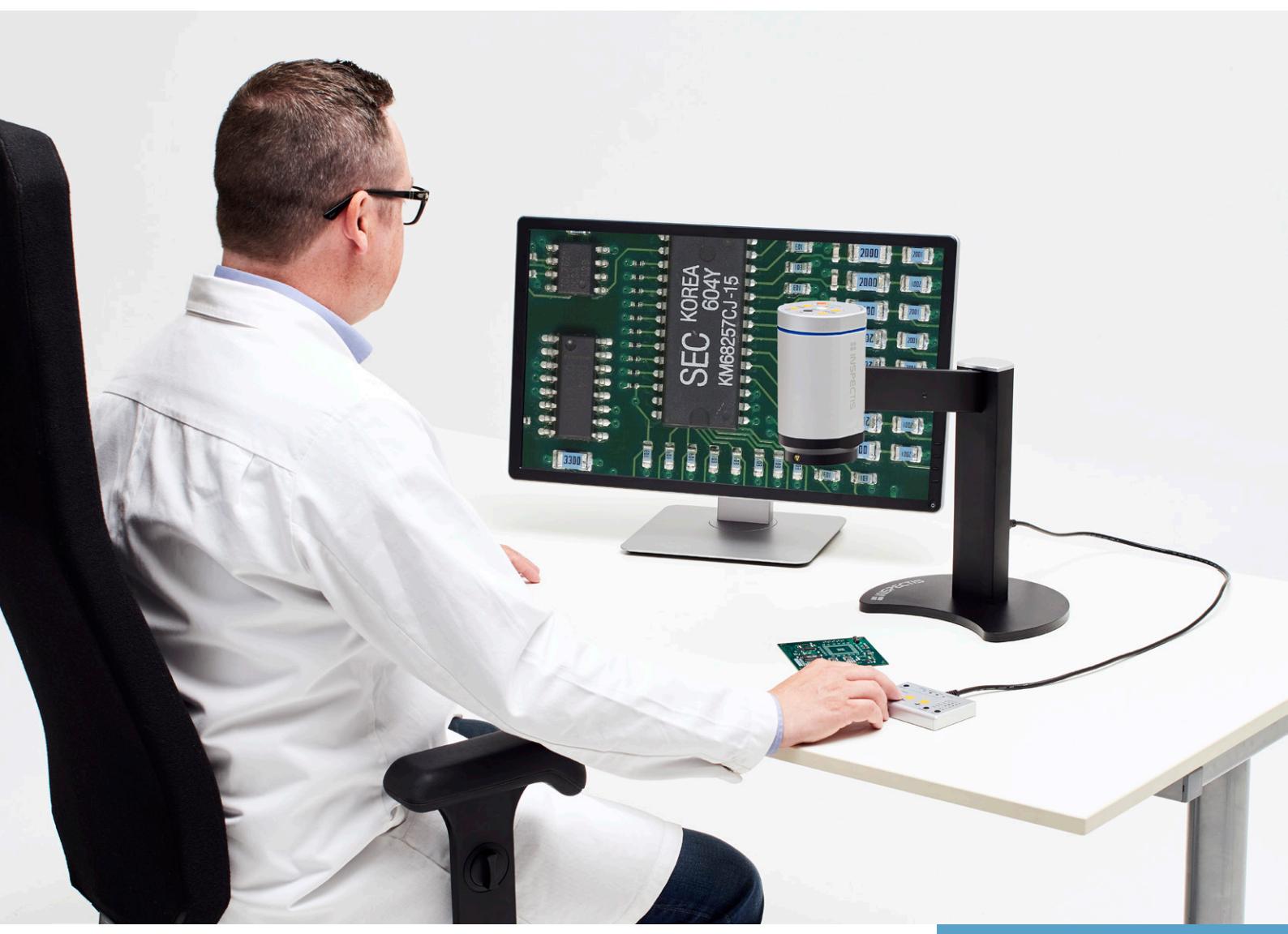
"Configurable, Endlessly Versatile!"

Quality & Standards

ROBUST DESIGN in TWO FORM FACTORS

Industry grade long lasting digital microscope in robust aluminium housing. Available in two industrial grade form factors, All-in-One F40 with integrated illumination and robust stand and modular F40s.

Clean installation of the modular F40s models on the workbench thanks to its single cable design.



Technology

Industrial build quality inside and out. Designed and manufactured according to ISO 9001 and ISO 13485 standards.

"Reduce the Time Spent on Inspection"



SPECIFICATIONS

Digital Camera System:

Parameter	Value
Video Output	Full HD, 1080p, 60 frames per second
Optical System	30:1 motorised zoom with auto-focus and auto-brightness intensity control, F1.6 - 4.8
Digital Zoom	1.3x digital zoom with 3D noise reduction
Magnification (on 28" monitor)	2.5x to 100x with standard lens. Up to 1130x with +56 diopter lens
Field of View	240mm at 1x zoom, 6.1mm at 40x zoom, 0.53mm at 40x with +56 diopter lens
Working Distance	226mm with standard lens. 18mm with +56 diopter lens
I/O Ports	HDMI2.0 video output, 5P MiniDin power input, 8P MiniDin for communication
On-board Controls	Zoom, Auto-brightness level, Manual/Auto Focus, White Balance
External Remote Controls	Zoom, Iris, Manual/Auto Brightness, Manual/Auto Focus, White Balance, Clarity filter, Contrast, Picture Quality Mode, Display Text, Crosshairs overlay, Image Rotate, Image Freeze, Memory Save/Recall (2 pcs), Laser-pointer, Foot-switch.
Illumination	White LED Ringlight, Single-spot and Double-spot LED with gooseneck, Bright-field white back light
Storage / Operating Environment	-20° – +60°C, 20 - 95% RH, non-condensing / -5 ° – +40°C, 20 - 95% RH, non-condensing
Size, Weight	Ø 86.5 x 160mm exclusive cable. 0.88 kg. excluding cable and stand

Ordering numbers Inspection systems packages:

Item name	Order No.
Inspectis F40, All-in-One, Full HD 60fps Digital Inspection Microscope, 40x zoom	HD-114
Inspectis F40s, Full HD 60fps Modular Digital Microscope, x40 Zoom	HD-115
Inspectis F40s Advanced 2K60 Inspection System with INSPECTIS© Pro Utility and Metrology Software	HD-115-KIT ADV
Inspectis F40s 2K60 Long Working Distance System, with LWD Stand, Advanced Controller and Ring light	HD-115-KIT-LWD
Inspectis F40s Software, 2K60 Inspection System with Stand, Ringlight and INSPECTIS© Basics software	HD-115-KIT-SOFT
Inspectis F40s Capture, 2K60 Inspection System with Stand, Light, Image/Video Capture and monitor	HD-115-KIT-CAP
Upgrade with 3m Extended Cable	* -EC
Upgrade with ESD-protected Housing	* -E
Upgrade with LP	* -L
Upgrade with Hermetic Sealed Housing	* -S
Upgrade with Advanced Iris Controlled Auto Brightness	* -A



Reseller

INSPECTIS

Quality of Inspection

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