INSPECTIS

Designed for Productivity

INSPECTIS c12 High Definition Digital Microscope

Plug & Play, Reliable and Cost Effective High Definition Camera Microscope designed for:

- Electronics inspection
- Soldering
- Quality control
- Repair and rework
- Non-contact measurements
- Documentation

- Micro assembly
- Micro mechanics
- Entomology
- Forensics
- Medical devices
- Presentation and training

All-in-One optical inspection sytem with 12:1 optical zoom, auto focus, integrated illumination and on-board controls. Produces crisp picture of your inspection objects up to 90x magnification directly on LCD monitor or PC.

Built-in Class I Laser Pointer   ESD-protected for EPA environments

"Reduce the time spent on inspection"

Designed for ergonomic use

Inspectis C12 provides relief to eyes, neck and shoulders. The unique ergonomic design with 245mm working distance allows operators to sit comfortably in a good working position and carry out their optical inspection tasks efficiently.

Apart from imaging excellent details, C12 offers true ease of use and minimal interaction with controls and settings. Basic attributes, such as zoom, brightness and colour can be controlled by the user through on-board buttons on top of the device.

More camera and lens attributes such as focus, aperture size, image contrast, white balance, zoom factor display and crosshair overlay on live image can be also controlled through the remote camera control. In addition 2 memory settings are provided in remote camera control allowing optimized settings to be saved and recalled for individual samples.

To further simplify operations, selected functions can be controlled by a foot pedal.
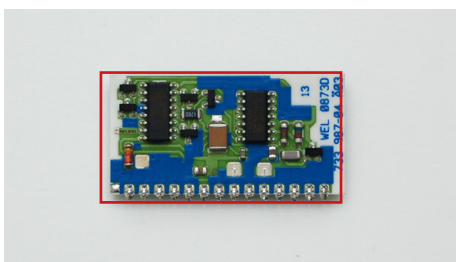
The Inspectis C12 camera significantly reduces the time spent on inspecting parts compared with other optical visual systems.
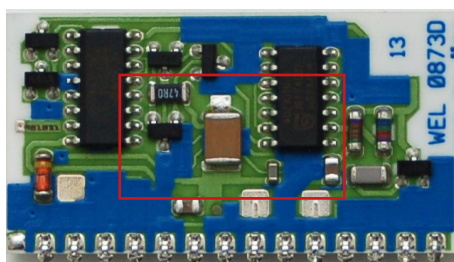
An optional built-in laser pointer aims at the area of interest and assists in locating it on the screen.

Due to large size of its image sensor and pixel elements, C12 provides excellent image of solder joints on electronic PCBs with minimum glare and reflections.

″Optimized for optical inspection and repair of electronics PCBs″

x1 zoom, 2.5x magnification

x6 zoom, 15x magnification

x12 zoom, 30x magnification

Making inspection easier

Connect C12 camera to a High Definition display or your PC via Inspectis´ USB3.0 video grabber and take advantage of the astonishing image resolution, high contrast and true colours in your optical inspection work.

System's standard optics with 2.5 - 30x magnification (27" monitor) is comparable to common inspection microscopes. If further magnification is needed, Macro lenses can be added to magnify up to 90x.

○ On board Camera Controls

○ Rigid Aluminum Housing

○ ESD protected

○ Integrated LED illumination

○ HDMI Output

○ Zoom Optics with AutoFocus

○ Laser pointer

○ Stable Base

○ HDMI-to-USB3.0 adapter for PC/Laptop connection

○ Image View, Capture and Metrology software

○ Advanced Remote Camera Control

○ Knob-Drive Remote Camera Control

"Designed according to industry standards"

Specifications

System:

Video Output	HD 720p/60Hz, 720p/50Hz via HDMI female socket on the rear panel
Imager	1/3" CMOS, SONY ~ 1.4 mega pixels
Onboard Controls	Zoom, Iris, Auto Focus on/off, White Balance
Remote Control Unit (optional)	Zoom, Iris, Manual/Auto Brightness, Manual/Auto Focus, White Balance, Picture Quality Mode, Display Text, Haircross overlay, Image Rotate, Image Freeze, 2 Memory Save/Recall
Illumination	Integrated Long-life 18x UB pure white LEDs with direction adjustment
Storage Environment	-20° – +60°C, 20 - 95% RH, non-condensing
Operating Environment	-5 ° – +40°C, 20 - 95% RH, non-condensing
Size/Weight	395 x 240 x 360 mm including metal base, 4.2 kg. including metal base

Optics:

Lens system	12x Optical Zoom with Auto Focus
Working distance	240 mm (from lens to object)
Magnification at x1 zoom factor	~ 2.5x on 27" monitor
Magnification at x12 zoom factor	~ 30x on 27" monitor (~ 92x with +10 macro lens)
Field of View at x1 zoom factor	~ 232 x 130 mm
Field of View at x12 zoom factor	~ 20 x 11.3 mm (~ 6.5 x 3.7 mm with +10 macro lens)

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

CERTIFIED HI-SPEED USB3.0

Ordering numbers Inspection Systems:

Item name	Order No.
Inspectis C12	HD-010
Inspectis C12 ESD-protected	HD-010-E
Inspectis C12 with Laser Pointer	HD-010-L
Inspectis C12 ESD with Laser Pointer	HD-010-E-L

Ordering numbers Accessories:

Remote Camera Control with Advanced Adjustments	HD-020
Foot switch for Remote Camera Control (2 pedals)	HD-027
Remote Camera Control with Knob Drive	HD-200
Macro lens +1 diopter	HD-030
Macro lens +2 diopter	HD-021
Macro lens +5 diopter	HD-022

Macro lens +10 diopter	HD-023
Lens protectinng filter, 58mm	HD-026
RingLight White LED with detachable diffuser	HD-024-B
Polarization filter for Ring Light	HD-024-P-C
RingLight UV 365-375nm wavelength LED	HD-025
XY Floating Board	HD-028
Tilt Board	HD-029
Telescopic Height Adjustment Table	HD-050
Telescopic Height Adjustable Tilt Table	HD-150
Magnetic pegs (4x kit)	HD-128
HDMI to USB3.0 Capture with Basics software	HD-031
HDMI to USB3.0 Capture with Pro software	HD-032
HDMI to USB3.0 Capture with ProX software	HD-032-PX
HDMI to USB3.0 Capture Device (device only)	HD-033
Aluminium carrying case	HD-040

Reseller

::: INSPECTIS

Quality of Inspection

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