

Ivesta 3 stereomicroscope head (integrated camera)



The optical system of the Ivesta 3 series stereomicroscopes works with two beam paths that converge at 10°. The objective pairs of each beam path are close together so that the stereomicroscopes can be built very "slim", especially in the lower part of the device. The advantages of this design are the small space requirement for use on bonders and in mechanical engineering, unhindered access to the samples, plenty of space for tools and a completely unobstructed view of the object field.

The Ivesta 3 (Integrated camera) has USB ports that allow files to be saved to a USB stick and shared via the network, as well as images to be shared via an Ethernet connection.

- Optical system, lead-free: 10° Greenough uses the best corrected central part of the lens
- Zoom 9:1
- Viewing angle 35°
- Magnification range 6.1x - 55x
- Maximum resolution 500 lp/mm
- Maximum numerical aperture 0.167

- Working distance 122 mm
- Object field diameter 37.6 mm
- Adjustable zoom limits click-stops 10x, 20x, 30x, 40x and 50x
- Video/photo output 50 % video/50 % visual, permanent
- Standard objectives, lead-free: Apochromats 0.5x, 0.63x, 0.75x, 1.6x, 2.0x
- Ergonomic eyepieces, fixed and adjustable, with shells: 10x/23, 16x/16, 20x/12
- Ergonomic eyepieces for spectacle wearers, adjustable, with shells: 10x/23, 16x/15, 25x/9.5, 40x/6
- Pupil distance 50 mm - 76 mm
- Operating temperature 10 °C to 40 °C
- Storage/transport temperature -10 °C to 50 °C
- Pollution degree 2
- Use at altitude 0 m to 2,000 m
- Live image on an HDMI monitor at up to 60 fps (3,840 x 2,160 pixels)
- Full image recording at 12 MP
- Sensor diagonal 7.81 mm (type 1/2.3" CMOS)
- Pixel size 1.55 µm x 1.55 µm
- Input 5 V DC / 3 A
- Power consumption 15 W
- Supported software: Enersight
- Color filter IR cut coating 650 nm, not interchangeable
- File formats JPG, TIF, BMP, MJPG; also PNG for overlays
- Compatibility USB 3.0, standard USB type C
- High-definition connections HDMI 2.0a, HDMI plug type A
- USB ports 4x USB 2, type A

Item no.	WL74812
Manufacturer	LEICA
Manufacturer article no.	10450981
GPSR manufacturer data	LEICA Mikrosysteme Ernst-Leitz-Straße 17-37 DE-35578 Wetzlar www.leica-microsystems.com
Scope of delivery	Ivesta 3 (Integrated camera) USB-C/USB-A cable (for PC or network connection) USB stick 4K HDMI cable, for connection to an HD/ 4K monitor Power supply unit (only for Ivesta 3 (Integrated camera))
Sales unit	1 piece
Content unit	1 piece
Incl. battery	no

Lens shape	binocular
(Optimal) working distance	122 mm
Zoom	9:1
Product type	Stereomicroscope head
Viewing angle	35 °
Tripod design	Table tripod
Camera resolution	3840 x 2160 pixels
Magnification	6.1x - 55x
Fastening	Pedestal
Interfaces	USB, HDMI connection
ESD compliant	no