



ZEISS Stemi 305

Your Stereo Microscope with Integrated Illumination & Documentation



*Green lacewing
Transmitted light bright field*



*Indexable insert, shows tool wear.
Reflected light, ringlight, zoom 0.8x*

Highlights

Stemi 305 is your compact Greenough stereomicroscope with 5:1 zoom. Equally suited to the biology classroom, research lab or on the industrial shop floor. Observe your samples as they are: in real 3D, distortion free and crisp in contrast, with no preparation required. Then share your images, whenever you want.

Profit from an easy-to-use microscope, where everything is integrated: long-life LED illumination, reflected and transmitted light and documentation.

Stemi 305 makes documentation easy and affordable. Simply snap your images with the integrated 1.2 MPx Wi-Fi camera and share them using Labscope, the iPad imaging app. Or opt for the conventional phototube to have access to all ZEISS Axiocam cameras and free ZEN lite imaging software.

- Everything integrated into Stemi 305 stand – no additional cables or boxes.
- Stemi 305 microscope sets for education, lab and industry ensure optimized object illumination.
- Easily select and mix the integrated LED illuminations (vertical and oblique reflected light, so as transmitted light)
- Large working distance and object fields – examine whole living samples.
- Shadow-free, homogeneous illumination provided by the vertical LED spot of Stemi 305 as well as the flexible alignment of the microscope with tilting arm stand U.
- Two options for documentation:
 - Conventional phototube with 50/50 split – use with all ZEISS Axiocam microscope cameras.
 - Integrated wireless camera and router option with Labscope – the iPad imaging app where you can create your own virtual classroom and share your images.

Created for Your Applications

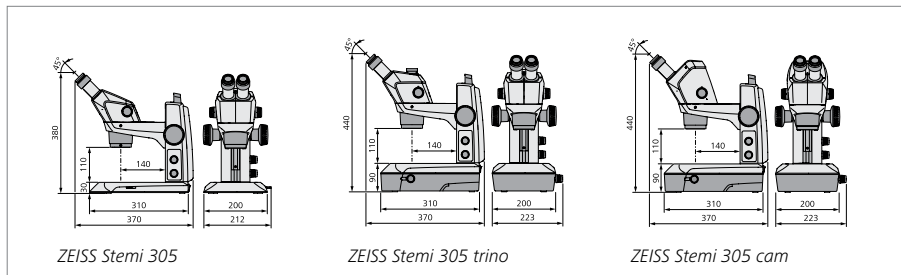
- Observe and identify biological samples in the classroom, and in the lab.
- Investigate the morphology of plant organs in your practical botanical work.
- Study worms, snails, spiders, frogs, crabs, eggs, and larvae for Zoology.
- Examine the fruiting bodies of large fungi to differentiate between edible mushrooms and inedible look-alikes.
- Perform detailed investigations or surgical procedures in your veterinary work with the shadow-free, integrated vertical illumination and flexible alignment of the tilting arm stand.
- Inspect or repair printed circuit boards in electrostatic protected areas. Profit from stand versions with ESD features.
- Easily detect scratches on metal surfaces using the segmentable ringlight





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Special Features:

- All Stemi 305 zoom bodies are equipped with an integrated vertical illumination to observe holes or cavities
- All LED illuminators K – even Stemi 305 cam with integrated camera – are powered by the electronics of stands K

Choose the Best Illumination Kit:

Education Kit:

- Spot K LED, zoomable and height-adjustable for oblique, bright field and grazing light
- Flat transmitted light stand for bright and dark field (of stand K Edu), polarizer/analyzer equipment optional

Laboratory Kit:

- Mirror based TL unit of stand K Lab to look at uncolored, transparent samples in crisp oblique light
- Double arm gooseneck – for dissections in reflected light
- Optional: polarizer/analyzer
- Ergo hand rest for relaxed posture

Industrial Kit:

- ESD safe by antistatic surface treatment of stand K Mat
- Segmentable ringlight to quickly find scratches, defects, residues
- Integrated near vertical spot to inspect eg drill or thread holes

Technical Data	
Operation concept	Stereo microscope, Greenough design with 5:1 zoom range
Zoom bodies	Stemi 305 binocular (all zoom bodies incl eyepieces 10x/23 Br. foc) Stemi 305 trino, phototube with fixed division 50/50 to the left, integrated camera adapter 0.5x and c-mount interface Stemi 305 cam with integrated 1.2 MPx Wi-Fi camera
Magnification range	8.0x to 40x with basic version (10x eyepieces), Using interchangeable optics, all magnifications from 4x to 200x are accessible
Max. resolution	200 Lp/mm basic version; up to 400 Lp/mm with interchangeable optics
Working distance	110 mm basic version; up to 185 mm using interchangeable optics
Maximum object field	29 mm basic version; up to 58 mm using interchangeable optics
Interface to Stemi mount	76 mm (international)
Interchangeable eyepieces	PL10x/23 Br. foc (included), PL16x/14 Br. foc, W25x/10 foc
Stemi carriers for column 32 mm	Stemi mount with drive, stemi mount tiltable 0–90°
Bench top stands (= dimensions as Model K)	Model K, 200x310 mm, column 250 mm with drive, travel 145 mm, Model K Mat', reflected light LED electronics, ESD feature: antistatic Model K Edu', reflected light electronics, flat TL base (bright field/dark field) Model K Lab', reflected light electronics, mirror TL base (bright field/dark field/oblique) Model N, 440 x 360 mm, column diam. 32 mm/height 350 mm
Boom stands	Model A; ball bearing double-arm model SDA; tilting arm model U
Stages	Sliding stage circular, ball-and-socket stage, rotating polarization stage
LED illuminators K	Spot K LED, double spot K (selfcarrying), segmentable ringlight K. Controller K for standalone use of Stemi 305 cam, integrated vertical illumination or ringlight K
Direct LED illuminators	VisiLED ringlights, segmentable; double arm LED spot for column 32
Cold light sources	CL4500 LED (CRI 90) with various light guides for highest brightness or special contrasts, eg goosenecks, ringlights, line or area light, diffusor
Transmitted light illuminators	Transmitted light mirror accessory for stand N (BF, DF, oblique)
Polarization	Polarization filters for ringlights, spots and transmitted light units



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