STEREO MICROSCOPY

Luxeo 6i



LABOMED®

ideas for vision

REIMAGINING VISION







An ergonomic control cluster places the reflected and transmitted LED light controls right next to the macro zoom control, so technicians can switch quickly without looking away from the eyepieces, for maximum efficiency.

Bright coaxial LED illumination, supplemented by flexible, front-mounted “tangle-free” LED goosenecks, ensures that no detail is overlooked, even on reflective or polished surfaces, with homogeneous light levels throughout the zoom range. A range of easily integrated auxiliary objectives further extends viewing power.

An apochromatic Galilean zoom delivers high resolution and substantial depth of field with high NA optics. The CMO system uses two independent parallel optical paths for superior optical performance and modularity. Proprietary MaxLite™ coatings and a meticulously designed optical system ensure the highest fidelity in image quality and digital documentation.

The LABOMED Luxeo 6i delivers state-of-the-art engineering and design to users focused on performance and value. With a fluid 6:1 zoom control, bright and efficient coaxial LED illumination with ergonomically placed light controls, and a crisp apochromatic (RGB corrected) optical system for the highest image fidelity, our team has built an attractive and valuable stereo microscope for industrial and medical use.

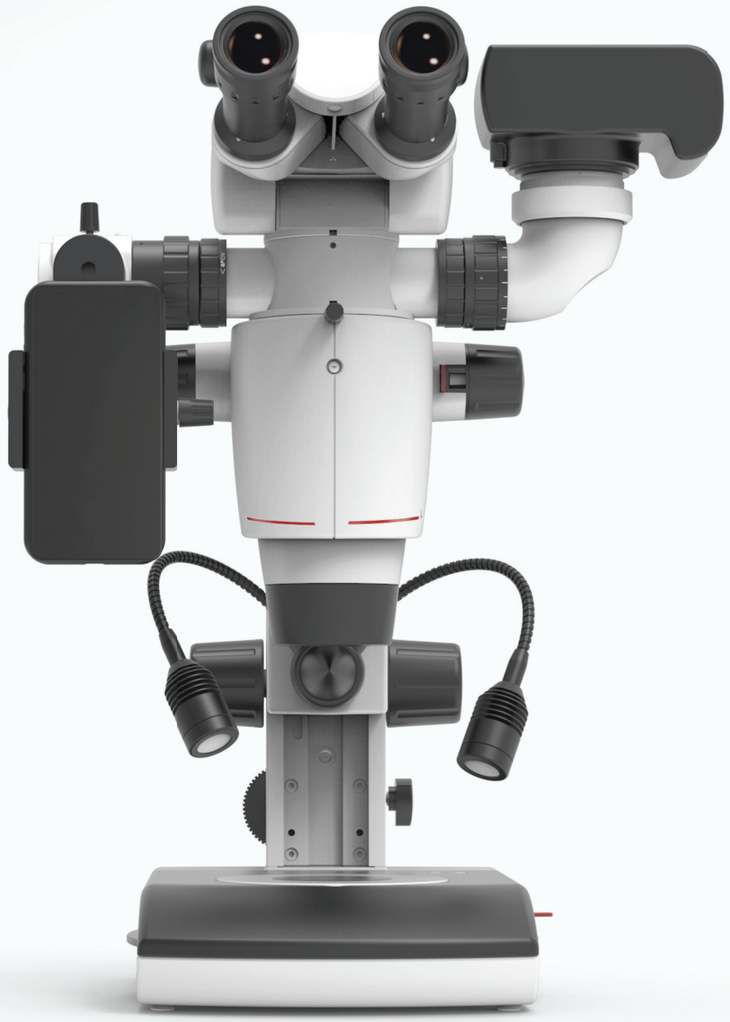
The zoom magnification changer can be operated either as a continuous zoom or with step magnification. Continuous zoom is the factory setting, with the red tab on the left-hand zoom knob disengaged. To use step magnification, push the red tab in.

“Vision and control are in complete harmony with the Luxeo 6i. Intuitive in all respects, the Luxeo 6i is a wonderful complement to our workstation.”



SCALING UP WITH EASE

1 Modularity is key to a great stereo microscope, and no expense was spared in designing the Luxeo 6i to scale easily as needs evolve. A range of accessories integrates easily to make the system more ergonomic, enable multiple viewers and turn the system into a digital platform with a host of digital camera and smartphone adapters.



2 Versatile stand options let the Luxeo 6i adapt to virtually any workstation. A compact bright field/dark field stand provides imaging of translucent specimens in research environments. A range of boom stands and flexible arm systems supports users viewing larger objects with varied topographical regions of interest, while fitting like a glove onto the workbench.



HIGHLY MODULAR TO FIT DIVERSE NEEDS

MICROMETER
1 MM = 100 PARTS
(9120010-605)

10x EYEPIECE
(4147010)

12.5x EYEPIECE
(4147012)

16x EYEPIECE
(4147016)

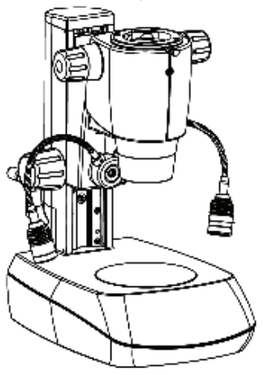
20x EYEPIECE
(4147020)



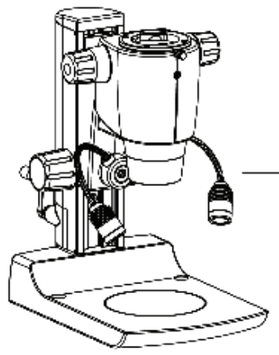
20° INCLINED HEAD
(4147030)



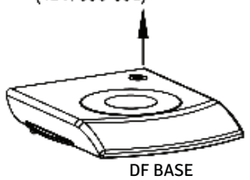
TILTABLE ERGO HEAD (0–210°)
(4147032)



MIRROR BASE STAND LUXEO 6i
(4147000-802)



STAND LUXEO 6i
(4147000-801)



DF BASE
(4146100-820)

DOUBLE IRIS
(6214051)



DBS
(6134150)

ACHR. 0.32x
(4147050)

ACHR. 0.50x
(4147051)

ACHR. 0.63x
(4147052)

ACHR. 0.80x
(4147053)

ACHR. 1.0x
(4147054)

PLAN APO. 1.0x
(4147055)

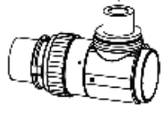
PLAN APO. 1.25x
(4147056)



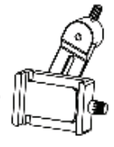
CCD CAMERA
ADAPTER
(6134110)



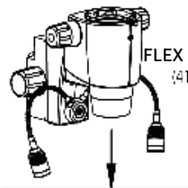
DSLR CAMERA
ADAPTER
(6134131)



IPHONE ADAPTER
6134172



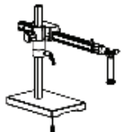
UNIVERSAL MOBILE ADAPTER
6134174

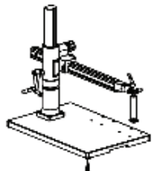


FLEX BRACKET 6i
(4147000-803)

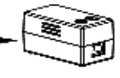
SWING ARM
MEDIUM DUTY
(4140300-800)

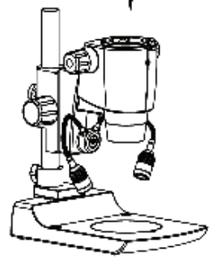
SWING ARM
HEAVY DUTY
WITH CRANK ADJUSTMENT
(4140400-800)





POWER SUPPLY
(4140500-800)



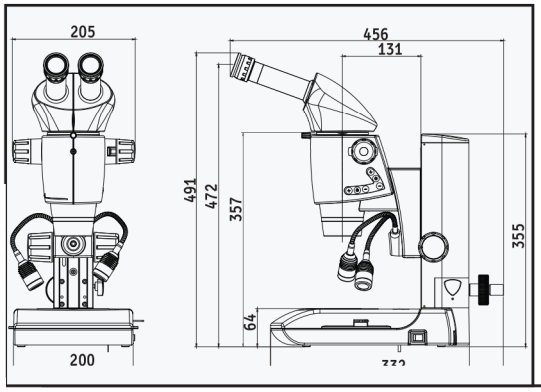


Luxeo 6i Configurations

Luxeo 6i

SPECIFICATIONS

Optical system	Galilean
Magnification zoom	1:6 continuous zoom, convertible to 8-step magnification
Eyepieces	WF 12.5x/18 mm with foldable eyeguards, diopter adjustment ±5 diopters Optional: 10x, 16x and 20x eyepieces
IPD	49–78 mm
Viewing angle	Binocular 20° Optional: 0–210° tiltable ergo head
Objective	1.0x apochromat Optional objectives: Achromats: 0.32x, 0.50x, 0.63x, 0.80x, 1.0x Plan apochromat: 1.25x
Working distance	106 mm
Magnification range	8x to 50x
Object field diameter	28.1 to 4.5 mm
Illumination	Incident light Coaxial light with intensity control Gooseneck for extra illumination
Transmitted light	Two options: detachable BF/DF (bright field/dark field) base; preconfigured mirror base for transparent objects
Reticles	For length measurement and counting
Camera adapters	DBS, CMOS camera adapter, DSLR camera, iPhone adapter



All dimensions in mm

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