



Digital Stereo Microscope

DSM1200



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Combining high-performance and efficiency, the DSM1200 digital stereo microscope is designed for high-precision observation and measurement, offering a range of powerful functions.

It features a trinocular design with a 45° eyepiece tube, and a 12-megapixel digital camera with a built-in 0.45X relay lens for maximum field of view. The unique and ingenious lighting system makes it adaptable to observe specimens with different surfaces while achieving the highest possible resolution with virtually no aberrations.

Specifications

Model	DSM1200
Working distance	100mm
Total magnification	7X-45X, can be extended to 3.5X-270X by using optional eyepiece auxiliary objective.
Field of view	4.4mm-28.6mm
Observation head	Hinged trinocular head, splitting ratio 50%:50%
Eyepieces	10X (FN. 20)
Eyepiece inclination	45°
Interpupillary distance adjustment	54-76mm
Zooming ratio	6.4:1 (approx.)
Zooming range	0.7X-4.5X
Focusing bracket	Coarse and fine focusing adjustment
Illumination 1	Four-zone multi-angle epi LED light
Illumination 2	Coaxial LED light
Illumination 3	Six-color fluorescence light (articulating arm)
Stage	XY Rotating Stage (Manual)
Base	Fan-shaped base with vertical post
Camera	*12 MP USB camera (standard configuration)
Max. resolution	4000 x 3000 pixels
Frame rate	30fps @ 4000 x 3000
Software	Pixit Pro (measurement, annotation, stitching, EDF)
Power supply	Embedded power socket, DC 12V, 5A

*Please contact sales@lanoptik.com for more solutions of camera.



Features

- ① Standard microscope camera model MC1200, more types of cameras are available for option.
- ② 10X eyepiece (FN.20), large field of view, wide angle, high eye point, convenient for observers wearing glasses.
- ③ 0.7X-4.5X continuous zoom (freeze), objective zoom ratio 6.4:1 to ensure parfocality of the image plane.
- ④ Uniquely designed illuminator, including coaxial LED light and quad-section epi LED light.
- ⑤ Coarse and fine focusing bracket for easy focus adjustment.
- ⑥ Six-color fluorescence light installed on articulating arm.
- ⑦ X-Y moving stage with circular rotating fixtures base.
- ⑧ Embedded power socket, DC 12V, 5A. 4 output ports.

Specifications are subject to change without any obligation on the part of the manufacturer.



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