Trinocular Microscope with Digital Camera

Model **MSCT3108SWISS** | Brand **Master Science** | Unit **Pc**



Trinocular Inverted Microscope

The MSCT3108SWISS Research Inverted Microscope is an advanced optical platform designed for live cell imaging. It combines exceptional optical performance with robust mechanical construction, enabling high-resolution, high-contrast microscopy. With an ergonomic design and user-friendly features, this microscope simplifies laboratory workflows and enhances research efficiency.

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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www.themsci.com

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Key Features

MANUAL AND AUTOMATIC OPERATION MODES

- Quick switching of objectives, brightness, and fluorescence settings via button panels

ELECTRIC NOSEPIECE

- Quick switching of objectives through side buttons or PC control

ADVANCED SOFTWARE

- Features include fluorescence intensity analysis, image stitching, and focus stacking
- Tools for cell counting, annotation, and real-time image processing

Technical Specifications

GENERAL	
General	Interpupillary distance65mm
General	Optical SystemInfinity color-corrected optics.
General	Magnification40x-1000x.
General	Viewing HeadTiltable 20-45° binocular with interpupillary distance (50-76mm).
General	EyepiecesWide-field PL10X/22mm with diopter adjustment.

GENERAL	
General	NosepieceElectric sextuple nosepiece with DIC slot.
General	IlluminationKoehler transmission with adjustable condenser holder.
General	CameraUSB3.0 cooled CMOS camera (3840x2160 pixels, 45fps).
MSCT3108SWISS	Yes
General	Microscopy SystemInverted LED microscope for brightfield and phase contrast with image analysis.
General	4X/NA=0.13, WD=17mm
General	10X/NA=0.3, WD=8.8mm
General	20X/NA=0.45, WD=6.5-7.6mm
General	40X/NA=0.6, WD=2.85-4.05mm
General	60X/NA=0.7, WD=1.42-2.1mm
General	100X/NA=1.35, WD=0.13mm (Oil Immersion)
General	StageManual mechanical stage (300mm x 240mm) with 135mm x 85mm travel range.
General	Software FeaturesLive imaging, measurements, annotations, fluorescence synthesis, and cell counting.
Fluorescence ModuleSpecifications	8-hole attachment with filters and manual shutter
MSCT3108SWISS	Yes
StageSpecifications	Manual with pressure clamps and replaceable discs
MSCT3108SWISS	Yes
Electric Control BoxSpecifications	Digitally adjustable output with forced air cooling
MSCT3108SWISS	Yes
Accessories IncludedSpecifications	Image analysis software, DELL Precision workstation, manual
MSCT3108SWISS	Yes
Optical SystemSpecifications	Infinity color-corrected system

Applications

Crystal-clear imaging for cell culture observations

Newly developed contrast observation capabilities

Suitable for various live-cell imaging applications

Standard Accessories Included

- Image Analysis Software
- Dust Cover
- Instruction Manual
- 1X C-Mount Adapter
- This comprehensive system offers cutting-edge functionality, exceptional performance, and ease of use, making it ideal for researchers in live-cell imaging and microscopy.