

A new view on comfort and clarity

Long working distance and excellent depth perception makes Mantis stereo microscope perfect for multiple applications including; electronics, medical device manufacture, precision engineering, life science, and many more.

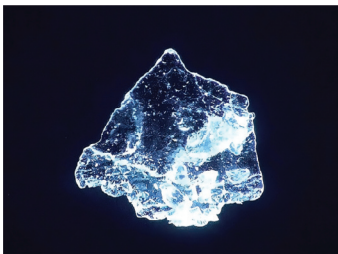
Mantis' superior microscope ergonomics allows higher levels of concentration and lowers fatigue to give you better performance. It enables relaxed, stress-free viewing and the eyepiece-less design reduces eye activity, and thus eye strain.

Manipulate your subject easily with long working distance, accurate 3D view, and quick magnification change.

FREE ON-SITE DEMOS

Available for both
award-winning models!

Limited time only



Contrast enhancing, psuedo darkfield illumination

Low contrast subjects such as plastics, glass and biological and other transparent/translucent samples benefit with optional contrast enhancing base.



Range of optical lens

To ensure you get the highest image quality, each dedicated lens combines the finest optical quality glass and special coatings to give a high resolution, high contrast view. For the most demanding subjects there are a range of Super Long Working Distance (SLWD) objective lenses.

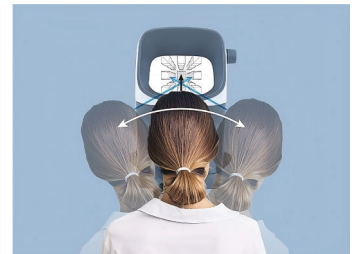


Eyepiece-less design

Mantis eyepiece-less technology projects a large high quality 3D image directly to your eye, making it easier to see and more comfortable to view than a binocular stereo microscopes.

The clarity of the 3D image supports enhanced hand-eye coordination, making subject manipulation with tools more accurate, faster and more efficient.

You can even wear corrective or protective eyewear without loss in performance.



Dynamic View Optics (DVO)

Mantis' unique Dynamic View Optics enables a stereo view, which changes as you move your head. See the sides of a subject as well as the top to gain a greater level of information and understanding.



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Mantis Pixo Optical Specifications

Objective Lens	Working Distance	Max Field of View	Pupil Diameter
3x	100mm	44.1mm	23.5mm
4x	100mm	35.7mm	23.6mm
6x	68mm	24.2mm	22.4mm
8x	60mm	18mm	19.4mm
10x	54mm	14.2mm	17mm
15x	40mm	9.1mm	12.3mm
6x SLWD	114mm	22.5mm	17mm
8x SLWD	113mm	17.9mm	14.4mm

Mantis Iota Optical Specifications

Objective Lens	Working Distance	Max Field of View	Pupil Diameter
3x	104mm	37mm	22.8mm
4x	108mm	29mm	23.6mm
6x	74mm	20.1mm	18mm
8x	61mm	15mm	18mm

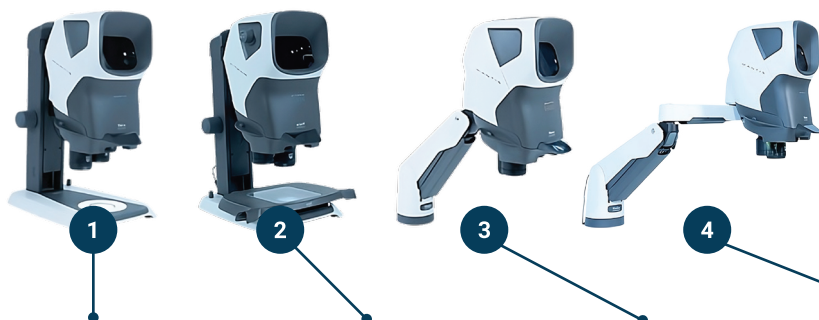
Mantis Camera Specifications (Pixo Only)

Camera Resolution	5.04 Mp
Best Capture Resolution	2592x1944
Frame Refresh Rate	Max 48fps
Sensor Type	Rear-illuminated CMOS
Color Depth	12-bit
Interface	USB 3.0
Output Connections	USB C to PC
File Capture Formats	BMP, JPG, PNG, AVI
Saved Image Sizes	PNG - 19MB, BMP - 19MB, JPG - 400KB

Mantis Illumination Specifications (Pixo/Iota)

Mantis Pixo		Mantis Iota
Incident Options		
Brightness	21k lux max	26k lux max
Color Temperature	5500k @ max brightness	
Control	25 steps	
Transmitted (Stabila Illuminated Base)		
Brightness	38k lux max	
Color Temperature	~48000k	
Control	25 steps	
UV Version		
Brightness	0.47k lux 53uW/cm² max	26k lux max
Color Temperature	385nm	
Control	25 steps	

Stand Options



Stabila Stand

Counter sprung for ease of use, Stabila's compact, stable design features long range of focus travel and an optional illuminated base.

Dimensions:

- Focus travel - 150mm
- Throat Depth - 218mm
- Max subject height - 146mm

Pilot Stage for Stabila Stand

100mm x 100mm travel stage with autolock to prevent unwanted movement.

Verso Stand

Counter sprung for ease of use, Stabila's compact, stable design features long range of focus travel and an optional illuminated base.

Dimensions:

- Focus travel - 230mm
- Throat depth - 380-505mm
- Max. subject height - 166mm

Verso Stand Extension

Adds extra stand reach with pivot point, rotation 270°.

Dimensions:

- Throat depth - 630-755mm
- Max subject height - +10mm

Mantis Pixo & Iota Showcase Video Below



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