

DeltaPix DPX M200

Digital 3D Microscope



- Configurable
- 2D Measurement
- High-speed live video
- Large field of view
- Cost effective
- Surface Texture ISO 24178 / ISO 4287
- Super depth of field
- 3D topography
- 3D measurement

DPX M200

Uncompromising Image Quality

The DPX M200 digital microscope provides super-high-resolution images at an affordable price with all necessary functions for precision measurements, image capture, documentation, and traceable report generation as required by industrial applications. This microscope system is a unique combination of high-quality optics, a high-quality track-stand, and a DeltaPix scientific HDMI or USB3 camera, which makes this system a unique and indispensable tool.

Made for Ergonomic Use

The DPX M200 provides relief to eyes, neck and shoulders. The unique ergonomic design with flexible working distance between 174mm-56mm allows operators to sit comfortably in a good working posture and carry out their optical measurement tasks efficiently.



High quality, cost effective and flexible

The DPX M200 microscope system is designed as a modular system to make it flexible and easily customizable to fit most applications and budgets.



User-friendly Camera

Plug and play – the HDMI interface provides high speed and ease of installation on any 4K/ FHD monitor with HDMI input. No need for computer, DPX M200 system has a built-in software. PC software option is also available.

Camera Options



HDMI16MDPX

- 6 MegaPixel still images
- High-speed video
- Large pixels
- 1/2.8" Sony sensor
- HDMI, and USB 2.0
- Super sensitive
- Stand-alone



H4KWFSD08DPX

- 8.3 MegaPixel high-quality still images
- High-speed video
- 1/1.8" sensor
- HDMI, USB 3.0, WIFI, and Ethernet
- 4K video
- Stand-alone



Invenio 10EIII

- 10 MegaPixel high-quality still images
- High-speed video at up to 35 FPS
- High-resolution and crisp colors
- 2/3" large Sony sensor
- DeltaPix InSight

Why choose DPX M200

DeltaPix Build-in Software and PC software.

Equipped with a high-quality 20X zoom lens and well-known DeltaPix imaging technology, the DPX M200 delivers high-quality images and precise measurements, allowing the user to inspect intricate details with clarity and without breaking the bank.

Stand-alone operation: Enjoy the convenience of inspection with the built-in software, providing quick and easy measurements and image acquisition without the need for a PC.

Advanced analysis with PC software: Enhance your analysis with the optional PC software, offering advanced features like 3D topography, roughness measurement, and detailed reporting capabilities.

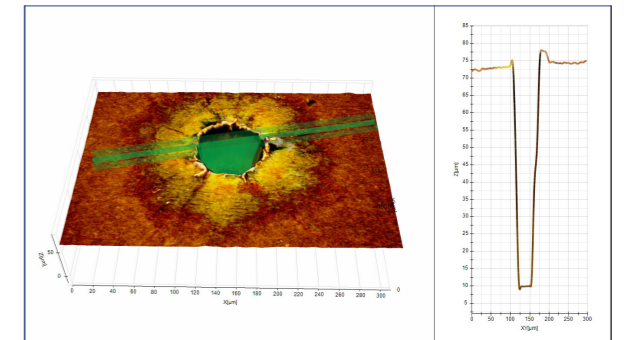
Onboard measurement tools:

- Concentric circle
- Annotation
- Distance between two lines
- Angle
- Distance between two points
- Three Point Arc
- Rectangle
- Dual crosshairs
- Polygon
- Distance between line and spot
- Multiple perpendicular lines
- Coordinate point
- Crosshairs
- Multipoint curve and circle
- Drawing a circle by its center
- Dimlinear
- Drawing a circle by two points
- Multipoint broken line
- Drawing a circle by three points -
- Parallel
- Perpendicular line

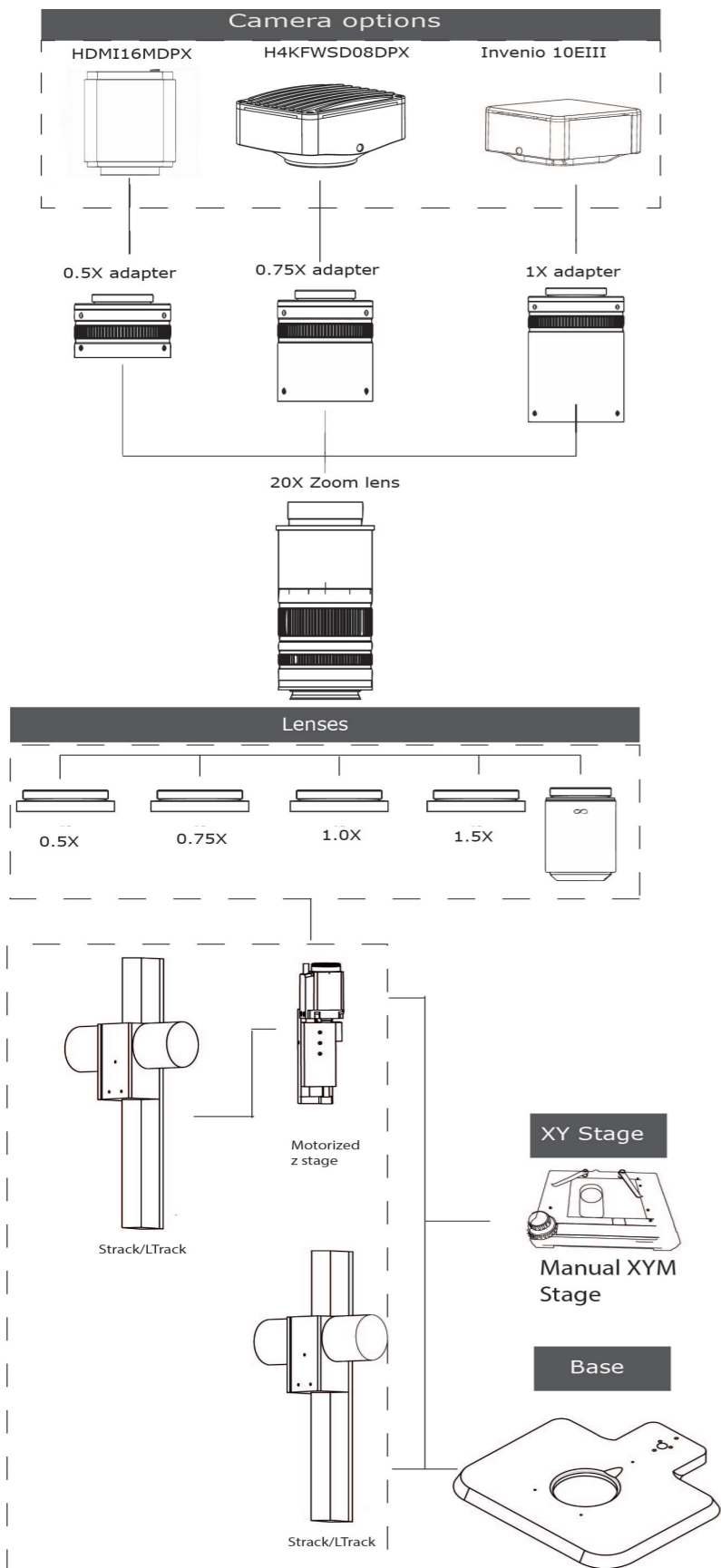
3D Topography

Extend the visualization and measurement from 2D to 3D.

The DPX M200 system configured with motorized focus, controller, and 3D Topography module to the software, will provide 3D Topography, to display a 3D model of the specimen under observation. Additionally, this feature allows the user to perform 3D measurements and automated extended focus.



Microscope diagram



Options



Specifications

DPX M200 zoom Specifications with lens					
Camera model	Function	0.5x	0.75x	1x	1.5x
	NA	0.005-0.056	0.008-0.084	0.01-0.112	0.015-0.168
	Resolution(μm)	56 μm - 5.2μm	32.5μm - 3.1μm	26 μm - 2,3 μm	13 μm - 1-6 μm
	Focal depth (μm)	6250μm - 80 μm	6000 μm-55μm	5800 μm-44 μm	1600 μm - 14.5 μm
	Working Distance	174mm	115mm	86mm	56mm

HDMI16MDPX	Magnification	11x - 215x	16x - 322x	21x - 429x	32x - 644x
	Field of View	56mm x 31mm 2.8 mm x 1.55mm	37mm x 20.6mm 1.86mm x 1mm	28mm x 15.5mm 1.4mm x 775μm	18.6mm x 10.3mm 933 μm x 517μm

H4KFWSD08DPX	Magnification	23x - 466x	35x - 700	47x - 934x	70x - 1401x
	Field of View	51mm x 28.8mm 2.6mm x 1.44x	34mm x 19mm 1.7mm - 960μm	25.6mm x 14.4mm 1.3mm x 720 μm	17mm x 9.6mm 853 μm x 480μm

Invenio 10EIII	Magnification	25x - 516x	39x - 774	52x - 1032x	77x-1548x
	Field of View	45.7mm x 34mm 2.3mm x 1.7mm	30.5mm x 23mm 1.5mm x 1.1mm	22.8mm x 17mm 1.1mm x 858 μm	15mm x 11.4mm 763 μm x 572μm

Note:

1. Maximum magnification and minimum FOV are calculated based on a 27" monitor with 1920x1080 pixels, at 100% zoom at maximum still image camera resolution. 2. *NA at high highest magnification. NA varies with zoom settings

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