



**LANOPTIK**  
Technologies

Digital Polarizing Microscope

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**DPM23**



# Digital Polarizing Microscope

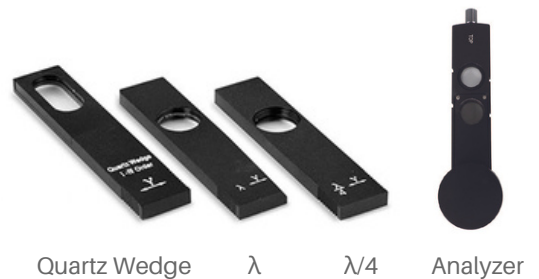
## Excellent upgrade and modification of an Olympus CX23

DPM23 is a polarizing microscope modified based on Olympus CX23. On the basis of not changing the original optical system and retaining Köhler Illumination and plan achromatic objectives, dedicatedly design polarizing accessories such as Bertrand lens, polarizer, analyzer, rotating stage, polarizing condenser, compensator etc. Thanks to its ingenious design and original optics quality, the DPM23 can bring users a remarkable polarized observation experience.

The DPM23 is a good choice for users on a budget. For those who own a CX23, they can modify their CX23 microscope by only getting the full set of polarizing parts.



- 1 Bertrand lens: fixed center, fixed spacing
- 2 Compensator:  $\lambda$ ,  $\lambda/4$ , Quartz Wedge
- 3 Analyzer



- Ball bearing rotary stage (Dia. 142mm)
- Rotatable 360° horizontally
- Can be fixed at a specific position
- Graduated 360° (in 1° increments)
- Rotation clamp equipped.

- 4 Rotating nosepiece: Internal rotation, 4 holes.
- 5 Centering device
- 6 Graduated circular stage



- 7 Diaphragm
- 8 Field diaphragm
- 9 Polarizer: 360° rotation with mark
- 10 LED light source



# Polarizing Parts for Modifying Olympus CX23

- 0.1mm Eyepiece micrometer



- Analyzer (Bertrand lens included)



- Centering device



- Polarizer



- Graduated circular stage



- Tool box



- Quartz wedge,  $\lambda$ ,  $\lambda/4$



- Narrow bandpass filter



Users who already own the Olympus CX23 microscope can purchase only the polarizing parts. It is recommended to purchase our camera that has been specially color-calibrated on white balance for transmitted polarized applications.

## Part Number

HP180100	Eyepiece micrometer
HP181000	Analyzer
HP180300	Centering device
HP180400	Polarizer
HP180500	Graduated circular stage
HP180600	Tool box
HP180800	Quartz wedge
HP180900	Narrow bandpass filter

# Specifications

## Digital Polarizing Microscope - DPM23

Body	Aluminum die-cast metal frame, protective plastic covering
Optical System	Infinity optical system
Illumination System	Built-in transmitted illumination system
Revolving Nosepiece	Fixed quadruple nosepiece with inward tilt
Stage	Ball bearing rotary stage (diameter: 142mm); rotatable 360° horizontally; can be fixed at a specific position; graduated 360° (in 1° increments); Rotation clamp equipped.
Observation Tube	Binocular, 10X eyepiece, Tube inclination 30°
Objectives	Plan achromatic objectives, anti-fungal 4X NA 0.1 W.D. 27.8 mm 10X NA 0.25 W.D. 8.0 mm 40X NA 0.65 W.D. 0.6 mm 100X NA 1.25 W.D. 0.13 mm
Bertrand Lens:	Built-in rotatable analyzer and Bertrand lens focusable
Analyzer	360° rotatable analyzer with division
Polarizing Unit	Rotatable 360°, scaled, can be locked.
Compensator	Quartz wedge, first class red slip, $\lambda/4$ slip.
Digital Camera	CA1200, 12MP multi-output camera (*standard configuration)
Software	Pixit Pro for Windows 7, 8, 10 & 11
App	KoPa WiFi Lab for Android and iOS
Weight	9.8 KG
Dimensions	198 mm × 398 mm × 486 mm

\* The standard configurations of DPM23 comes with an embedded type multi-output camera CA1200. Users can also choose other types of cameras according to their needs. (see next page)

# Camera Solutions for DPM23

## 1. Solutions for CX23 Binocular Microscope



Configured with Embedded Smart Camera



Configured with All-in-one Embedded Smart Camera

## 2. Solutions for CX23 Trinocular Microscope



Configured with Multi-output Camera



Configured with Smart Camera

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

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