

# Higher resolution by expanding your Smartzoom 5 objectives

## ZEISS Objective PlanApo D 10x/0.6

ZEISS Objective PlanApo D 10x/0.6 is the perfect addition to the existing Smartzoom 5 objective portfolio to gain higher resolution. Benefit from detailed information from an analysis of polished and etched samples, microsections, small particles and metallographic applications.

Receive the best combination of resolution, depth of focus, working distance and tilting range. ZEISS objectives offer the best image quality, combined with coding, optimized working distance and a simple change of objectives with bayonet interface.



Objective PlanApo D 10x/0.6.

### Highlights

#### Ease of use

Identical LED illumination functions for all objectives: „Coaxial Illumination“, „Segmented Ringlight Illumination“ and „Ringlight Glare Removal“

#### Providing individual information

Always get the current information about true magnification and optical correction factors for the total zoom range

#### Best operating combination

Benefit from tilting of  $\pm 20^\circ$  for flat specimen, with a working distance of 10 mm and the advantages of the hot-swappable via bayonet interface

### Upgrade your ZEISS microscope

Stay up-to-date with technology, applications and update your ZEISS Smartzoom 5 to a state-of-the-art instrument.

Contact us to learn more about the Objective PlanApo D 10x/0.6 and how your imaging will benefit from an upgrade: [microscopy@zeiss.com](mailto:microscopy@zeiss.com)



Seeing beyond

# ZEISS Objective PlanApo D 10x/0.6

Expand your Smartzoom 5 objectives to even higher resolution



## Availability

- Smartzoom 5

Besides this new high-resolution objective there is a broad range of further objectives available for Smartzoom 5:

- PlanApo D 5x/0.3 FWD 30 mm
- PlanApo D 1.6x/0.1 FWD 36 mm
- PlanApo D 0.5/0.03 FWD 78 mm

## Supported image enhancement and processing functions

### Image Enhancement

- Realtime HDR
- Noise Filtering
- Sharpening
- Electronic Image Stabilization
- Brightness / Contrast
- True RGB, HighRes Image
- Ringlight Glare Removal

### Image Processing

- Color Segmentation
- EDF
- 3D
- Stitching (2D and 3D)
- Time Series
- Relief Display
- Digital Contrast

## Technical specifications

PlanApo D 10x / 0.6

NA = 0.6 / Res = 0.55  $\mu$ m

FWD = 10 mm

Mag = 2021

LED Illumination = Coaxial, Segmented

Ringlight

**Parfocal length = 88.7 mm**

**Illumination angle = 60°**



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