

光片专用浸渍物镜

光片显微镜的显著特征是照明和成像两个物镜垂直放置。其中物镜绝对了工作距离，成像效果等。为了更好的成像效果昊量光电推出了专用于光片成像的物镜

昊量光电目前提供两种物镜

1) 多浸渍物镜



该浸入式/浸渍式物镜旨在用于组织成像的光片显微镜系统上，并且由于该物镜较长的工作距离和 RI 的匹配性也通常用于活细胞成像。该物镜的主要特点是由于其独特的第一弯曲表面，可以无需校正环用于多种成像介质中。该物镜目前提供两种型号第一代物镜 54-10-12 和第二代物镜 54-10-8 两款相比 54-10-8 拥有较高的分辨率和 NA 但是损失了工作距离和视野面积。

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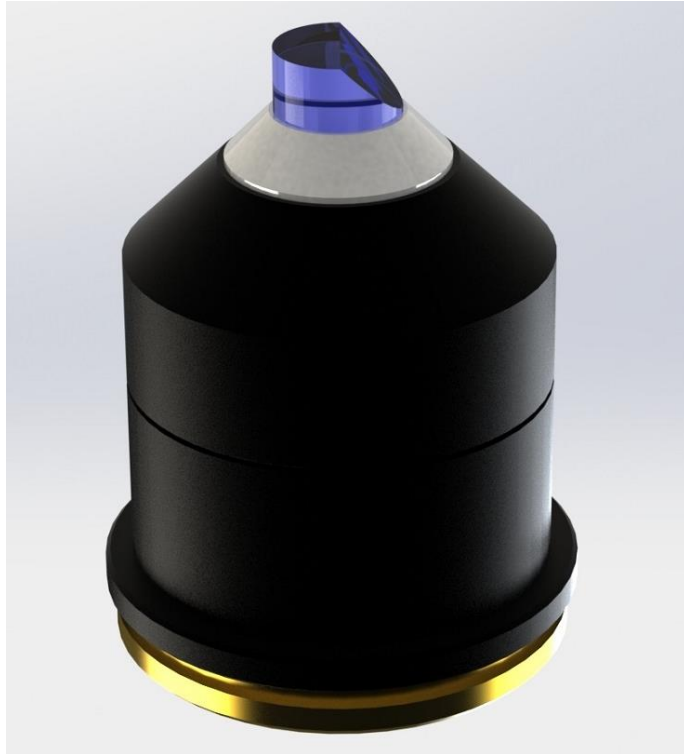
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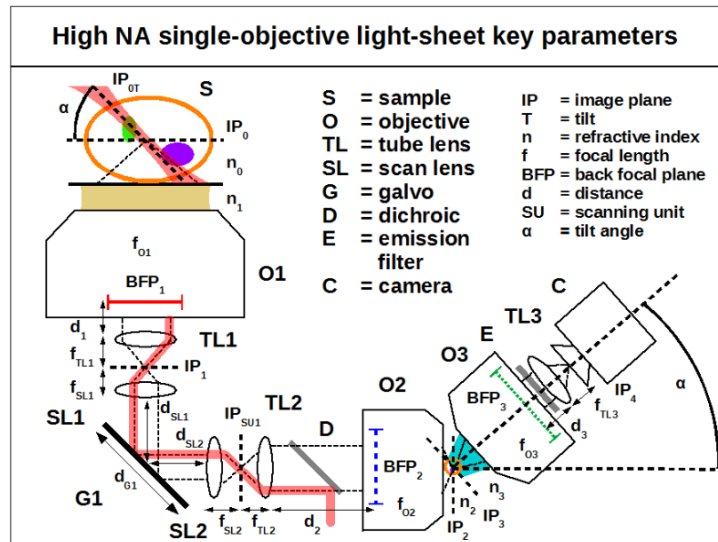
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2) 适用于高分辨率单物镜光片显微镜物镜 (AMS-AGY)



该物镜主要用于单物镜成像光片系统,



SOLS parameters: a reference diagram for key parameters. Here we label the single-objective light-sheet schematic and highlight the key components and parameters that are useful for discussions of design, build and alignment.

产品参数:

Specifications	Value	Value 54-12-8	Comments
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	54-10-12		
Numerical Aperture	0.4 @ RI 1.45	0.7 @ RI 1.45	NA proportional to RI
Immersion Media RI	1.33 – 1.56	1.33- 1.56	Includes all major clearing solutions
Effective Focal Length	12 mm @ RI 1.45	8.4 mm @ RI 1.45	Magnification proportional to RI
Working Distance	12 mm (for all RI)	10.0 mm (for all RI)	
Flat Sample Depth	5.1 mm	2.0 mm	Imaging depth into flat sample at 45 degree tilt
Field of View	1.2 mm Ø	1.0 mm Ø	
Spherical Correction	480 – 1000 nm	480 – 1300 nm	Diffraction-limited for most media and λ
Chromatic Correction	480 – 720 nm	480 – 720 nm	Performance varies by media, optimized for CLARITY and TDE
Correction Collar	None	None	Designed for immersion w/o coverslip
Parfocal Length	61.6 mm	83 mm	Both have M25 threads

AMS-AGY 物镜参数:

Specifications	Value
Numerical Aperture	1.0
Effective Focal Length	5 mm
Working Distance	0.0 mm
Chromatic Correction	450 – 700 nm
Field (diffraction-limited)	150 μm Ø
Field (bevel-limited)	250 μm Ø

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