



NEW PRODUCT ANNOUNCEMENT for only DISTRIBUTORS/DEALERS

## MACRO APO-LANTHAR 110mm F2.5

Announcing Voigtländer MACRO APO-LANTHAR 110mm F2.5, a Sony E-mount 1:1 macro lens for full frame sensors incorporating an apochromatic optical design and inscribed with the designation “APO-LANTHAR”

Cosina Co., Ltd. is releasing Voigtländer MACRO APO-LANTHAR 110mm F2.5, a 1:1 macro lens designed exclusively for full frame Sony E-mount cameras. The APO-LANTHAR designation is given to especially high performance lenses in the Voigtländer lens lineup, with APO being derived from the apochromatic optical design. A need for apochromatic optical designs that reduce the longitudinal chromatic aberrations of the three primary colors (RGB) of light to practically zero arose with the increasing popularity of color film. Now, with the current range of high-resolution digital sensors, this need for extremely high-level control of chromatic aberrations is even more pertinent than when film changed from monochrome to color in the middle of the 20th century. So rather than just being for already solved old technologies, apochromatic optical designs are indeed a subject requiring serious consideration in the digital age.



Voigtländer MACRO APO-LANTHAR 110mm F2.5 is a high performance manual focus 1:1 macro lens optimized for the imaging sensors of Sony mirrorless cameras. Inheriting the APO-LANTHAR designation, the lens is highly corrected to eliminate optical aberrations including longitudinal chromatic aberration. Retaining a similar form factor to the highly regarded Voigtländer MACRO APO-LANTHAR 65mm F2.0 Aspherical we released in August 2017, this lens covers the full frame image area, and achieves a maximum image reproduction of 1:1 life size with no additional attachments. In order to ensure subjects from minimum focus distance to infinity are captured with extremely high image quality, a 3-group floating mechanism is employed to adjust three optical groups according to focus distance. The 110mm focal length on full frame format ensures not only a good working distance from subjects for macro shooting, but also its angle of view for portraiture does not look too cropped in comparison with 135mm and 200mm lenses. Another attractive feature is the ability to create images with a strong out-of-focus 'bokeh' effect, made possible by the 110mm focal length and F2.5 maximum aperture. This lens is a manual focus and manual aperture design, but also features electrical contacts that enable the lens settings at image capture to be included in the Exif information of the image data. Furthermore, the lens is installed with a distance encoder to enable support for 5-axis image stabilization on bodies with this feature, by providing distance to subject information used to compensate for camera shake. Focus peaking while manual focusing is also supported.



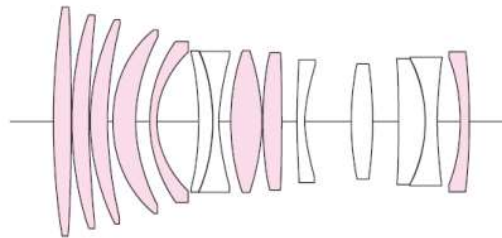
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### Main Features

- Full frame Sony E-mount with electrical contacts
- Apochromatic optical design that eliminates chromatic aberrations
- Optical design optimized for digital imaging sensors
- Maintains high image quality at all shooting distances with a 3-group floating mechanism
- Extremely solid and durable all-metal barrel
- Manual focus for precise focusing
- Maximum reproduction ratio of 1: 1 at a minimum focus distance of 35 cm

Specification	
Product Name	MACRO APO-LANTHAR 110mm F2.5
Focal Length	110mm
Maximum Aperture	1:2.5
Minimum Aperture	F22
Lens Construction	12 groups 14 elements
Angle of View	22.6°
Aperture Blade	10
Minimum Focus	0.35m
Macro Ratio	1 : 1
Maximum Diameter	Approx. $\Phi$ 78.4mm
Length	Approx. $\Phi$ 99.7mm
Filter Size	$\Phi$ 58mm
Weight	Approx. 771g
Mount	E-Mount
Aperture Ring	Available(Manual Setting)(1/3 stop increments)
Electric Contact	Available
Manual Focus Assist	Available
Exif Data	Available
Auto Lens Correction	Possible
5-Axis Image Stabilization	Possible *Only on camera body with 5-Axis Image Stabilization
Supplied Accessory	Front Cap, Rear Cap, Lens Hood



\*All the information is subject to change without prior notice.