



APO-LANTHAR 90mm F4 Close Focus
VM-mount

INSTRUCTION MANUAL

Voigtländer VM-mount lenses cover full frame format and are manually controlled lenses. The user sets the focus and aperture. They are designed to be used on both rangefinder film cameras and digital cameras with M-type lens mount. They can also be used on mirrorless cameras with the appropriate adapters.

Features of Voigtländer VM-mount lens

- VM-mount
- Full frame format
- Smooth focus for precise focusing
- All metal construction

Tips for lens care and safety

These tips are to protect the user from injury or damaging the lens.



WARNING

If the user ignores this warning sign and uses the equipment the wrong way serious injuries and even death might be the result.



CAUTION

If the user ignores this caution sign it might result in injuries and damage the equipment.



WARNING

Never look directly at the sun with a telephoto lens as this can damage your eyes.



CAUTION

Keep the lens, camera and accessories out of reach of children.



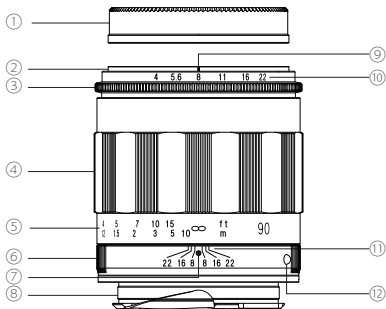
CAUTION

Store the lens away from direct sunlight and always store the lens with lens-cap on. Failure to do so can create a fire hazard.

Never touch the lens surface. In case it is dirty or dusty use commercial lens cleaner or appropriate lens cleaning cloth.

Description of Parts

- ① Lens Hood
- ② Filter Ring
- ③ Aperture Ring
- ④ Focus Ring
- ⑤ Distance Scale
- ⑥ Depth of Field Ring
- ⑦ Distance Index
- ⑧ Mount
- ⑨ Aperture Index
- ⑩ Aperture Scale
- ⑪ Depth of Field Scale
- ⑫ Mount Index



● How to attach/detach the lens

Please refer to the instruction manual for your camera for how to attach/detach the lens. Please hold the Depth of Field Ring ⑥ to attach/detach the lens. To attach/detach the lens while holding other parts of the lens barrel can damage the lens.

● Attaching Hood

Screw the Lens Hood ① to the threads on the lens.

● Rangefinder coupling

Coupled focusing range of this lens is $\infty \sim 0.7\text{m}$. However, rangefinder coupling range will be different depending on the rangefinder mechanism of the camera used.

● Attaching Filter

1. Screw the filter (Ø43mm) to the front of the lens.
2. Screw the Lens Hood ① into the thread of the filter when using the Lens Hood ① together with the filter.

● Attaching Mount Adapter

This lens can be used with below mentioned Voigtländer accessories.

VM-E Mount Adapter II

VM-E Close Focus Adapter II

VM-X Close Focus Adapter II

VM-Z Close Focus Adapter

● Specifications

Product Name	APO-LANTHAR 90mm F4 Close Focus
Focal Length	90mm
Maximum Aperture	F4
Minimum Aperture	F22
Lens Construction	7 groups 8 elements
Angle of View	27.5°
Aperture Blade	10
Rangefinder Coupling	$\infty \sim 0.7\text{m}$
Minimum Focus	0.5m (With focusing click at 0.7m)
Filter	Ø43mm
Maximum Diameter	Approx. Ø53.0mm
Length	Approx. 54.8mm
Weight	Approx. 235g
Mount	VM-mount
Supplied Accessory	Lens Hood, Rear Cap, Hood Cap

* Specification and information are subject to change without prior notice.