

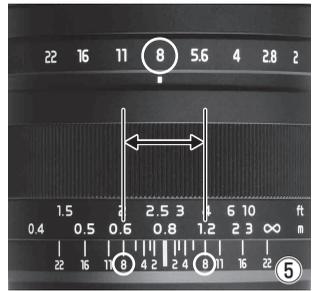
Tokina FiRiN

20mm F2 FE MF

Depth of field

“Depth of field” is a term used to refer to the area in focus. The area from the nearest point of sharp focus to the farthest point of sharp focus is called the “depth of field” of the lens. This area of focus varies based on the focal length of the lens, the subject focus distance and the aperture value (F-number) being used.

In picture 5, the Tokina FiRiN 20mm lens aperture value set at F8 and the focus distance at 0.8m, the depth of field or area in acceptably sharp focus is approximately 0.6m to 1.2m.



Lens hood

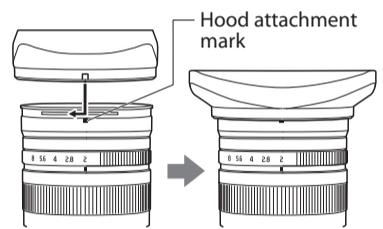
The included lens hood prevents strong angular light from the side from striking the front lens element and causing lens flare or ghosting that would impact image quality.

Please be sure to always use the lens hood when photographing to achieve the best results possible.

* We would recommend always attaching of the lens hood to block stray light that would otherwise cause flare or ghosting.

■ Attaching the lens hood

Line up the mark on the lens hood’s narrow side with the white hood attachment mark on the lens barrel, then turn the hood clockwise until you feel and hear the hood click into place. Vignetting may occur if the hood is not attached correctly.



Filter

Please use round screw-in filters. If there is grime or water drops on the filter, it will cause lens flare and ghosting. Be sure to clean the filter thoroughly before taking pictures.

*Please use only one filter at a time. If more than one is used at the same time, it may cause vignetting.

Note for using a built-in flash

Using a camera’s built-in flash is not recommended with the lens as it may block some of the light causing a noticeable shadow in the picture. Please use a larger external flash with this lens.

Shooting With a Flash (Red-eye Effect)

If photographing people and the subject’s eyes are red, please consult the camera’s instruction manual for ways to mitigate red-eye effect.

Basic Care and Storage

- Avoid any shock or impact to the lens or exposure to extremely high or low temperature or high humidity.
- To prevent outbreak of the mold, keep clean lens surface cleanly after use of lens. Do not use paint thinner, benzene, or other organic agents to remove dirt or finger prints from the lens elements. Clean with a soft moistened lens cloth or lens tissue.
- In caring for the exterior of the lens, wipe always any dirt, dust or debris with a chamois or silicone cloth. Make sure the barrels of the lens are clean, not only the front and rear elements.
- Select a cool and dry place for extended storage, preferably with good ventilation. To avoid damage to the lens coating, keep the lens away from mothballs or naphthalene gas.
- This lens is not waterproof. If using this lens in the rain or near water, keep it from getting wet. It is often impractical to repair a lens or its components when damaged by water.
- Sudden changes in temperature may cause condensation or fog on the lens elements. When entering a warm room from the cold, it is advisable to keep the lens in a case until the temperature of the lens reaches the temperature of the room.

Performance table

Focal distance	20mm
Maximum aperture	F2
Minimum aperture	F22
Format	Full Frame
Lens configuration (elements/groups)	13 - 11
Angle of view	92.66°
Minimum focus distance	0.28 m (11.2 in.)
Maximum macro Magnification	1 : 10.29
Diaphragm blades	9
Filter size	62 mm
Overall length	81.5 mm
Maximum diameter	69 mm
Weight	490 g (17.3 oz)
Supplied Accessories	Square bayonet hood BH-622 Front Lens Cap / Rear Lens Cap

Please note that specifications and appearance may be changed without notice to improve the product.

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* The **CE** marking (certification mark for conformance with the European export inspection requirements) is shown on lenses containing electronic parts. The mark also declares compliance with environmental performance standards for products stipulated in the RoHS directive.

* **10** A display mark indicating inclusion in the China RoHS directive (Administrative Measure on the Control of Pollution Caused by Electronic Information Products).

ENGLISH

Manual Focus lens for SONY E-Mount Full Frame

Part names



- ① Hood attachment mark
- ② Aperture ring
- ③ Center mark
- ④ Focus ring
- ⑤ Distance scale
- ⑥ Depth of field scale
- ⑦ Distance scale mark
- ⑧ Aperture FREE - CLICK button

How to attach and remove lens

Please follow the camera instruction manual for attaching and removing the lens.
* Take care to not touch or hit electrical contacts on the mounting face of the lens while attaching or removing.

Focusing

This is a manual focus lens only.

Please turn the focus ring until the subject is in focus.

Special functions and operating modes for auto-focus lenses are not supported. The infinity mark on the distance scale is approximate due to factors that can change the focusing of the lens. It is provided to correspond with the dimensional tolerance range for the flange focal length of the camera body. The focus position may shift somewhat due to the refractive index of light in the atmosphere and changes in temperature in very hot and cold environments. Therefore, be sure to check the camera monitor and viewfinder image while focusing, even when filming or photographing distant subjects.

*In a camera later than the model alpha 7

The subject focusing distance displayed in the camera monitor and/or viewfinder is an approximate distance.

Distance of 1m or greater are displayed in 1m intervals (1m → 2m → 3m)

Distance of 1m or less are displayed in 10cm intervals (1m → 0.9m → 0.8m)

Therefore, the closed focusing distance of the FiRiN 20mm lens is 0.28m, but the camera body may display 0.3m depending on the individual camera’s programming. Also, the farthest focusing distance in front of the infinity mark is not shown when more than 30m.

Exposure mode

This lens is compatible with the “Manual Mode” and “Aperture priority Mode” due to the fact that when the aperture ring on the lens is turned, the aperture values are not displayed in the camera’s viewfinder or monitor.

■ Manual Mode: Please set the camera mode dial to “M” (Manual Mode) as shown in picture 1. Next, rotate the aperture ring of the lens to set aperture and use the front or rear dial on the camera to set the shutter speed.



■ Aperture Priority Mode: Please set the camera mode dial to “A” (Aperture Priority) as shown in picture 2. Now the shutter speed will adjust when the aperture ring of the lens is rotated.



The above settings were configured based on alpha 7. Configuring settings varies based on camera, so please check the instruction manual of your camera.

Aperture ring

This lens is equipped with an aperture de-click mechanism that makes it possible to select a clicked aperture movement for taking still photos or a smooth step-less aperture of use when filming video.

■ In the **CLICK** position shown in picture 3, the click functions in thirds (0.3) of a stop.

■ In the **FREE** position shown in picture 4, the aperture ring will be step-less and move smoothly.

* If the exposure values are set to half (0.5) stop increments in cameras that allow it, the display and recorded Exif data will be in half stops. This may differ slightly from the actual aperture click settings.

