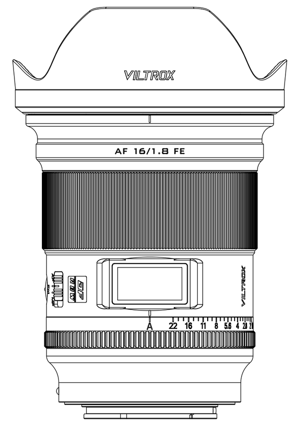
尺寸:500*480mm

VILTROX

AF 16/1.8 FE

E-mount



Thank you for choosing Viltrox Lens !

Before mounting the lens onto your camera, please read this manual carefully so as to understand and use all the functions of the Lens.

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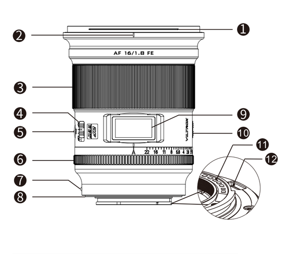
Features

AF 16 / 1.8 FE is an auto focus lens suitable for E-mount, with 15 elements in 12 groups, the focus distance is about 0.27m - ∞, and noiseless STM focus motor can accurately control the moving position and bring accurate and smooth focusing.

- * 16mm focal length, F1.8 large aperture
- * Optical construction of 15 elements in 12 groups, including 4 ED lenses and 3 aspheric lenses
- * HD Nano multilayer coating with water-resistant and antifouling coating
- * Electronic aperture,internal focus,constant lens length
- * Noiseless STM focus motor
- * Precision metal structure
- * Dust-proof and moisture-proof

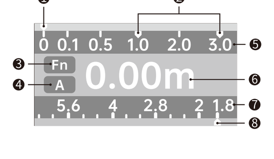
Identifying the parts



1. Lens hood position
2. Lens hood index
3. Focusing ring
4. Focusing mode switch (MF/AF)
5. Custom button (Fn1/Fn2)
6. Aperture ring
7. Lens mounting index
8. Rubber seal
9. Lens data display
10. CLICK switch
11. Electronic contacts
12. USB upgrade port

Lens information panel

When the lens is installed on the camera and the camera is on, the lens information panel will light up.



1. Object distance indication identification
2. AB preset object distance identification
3. Fn icon
4. AB preset object distance icon
5. Object distance bar
6. Current object distance display
7. Aperture bar
8. Aperture indication identification

Focus lock

[Custom button Fn1] is focus lock button. After pressing Fn1 button, the [Fn icon] will be displayed in yellow. At this time, the functions specified by the camera can be performed. For more information, please refer to the relevant instructions on [Custom control] in the operation manual of camera. (For cameras of some models, the focus lock button of this lens is invalid. For more information about compatibility, please refer to the operation manual of camera)

Press the focus lock button in AF mode to cancel AF. At this time, the focus will be locked, and you can release the shutter when the focus is locked. Release the focus lock button while half-pressing the shutter and AF will be restarted.

A B preset object distance operation

[Custom button Fn2] can switch the preset object distance of Point A and Point B. When the [A B preset object distance icon] is gray A icon, it indicates that the preset object distance of Point A is ready; at this time, press the Fn2 button, and the [A B preset object distance icon] will display yellow A icon, indicating that the lens has reached the preset object distance of Point A; then press the Fn2 button again, and the [A B preset object distance icon] will display yellow B icon, indicating that the lens has reached the preset object distance of Point B. If the object distance of the lens is readjusted at this time, the [A B preset object distance icon] will turn gray again.

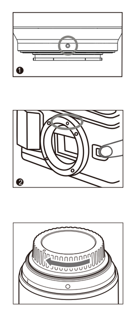
A B preset object distance update

If you need to update the object distance of Point A, adjust the object distance to the position you need to update when the [A B preset object distance icon] displays the A icon, and then press and hold the [Custom button Fn2]; when the A icon is displayed in green, release the button to complete the object distance update of Point A. (The resetting step for object distance of Point B is the same as that of Point A)

Attaching and detaching the lens

To attach the lens

Align the white index on the lens barrel with the white index on the camera, then insert the lens into camera mount and rotate it clockwise until it locks. (For further details of attaching and detaching lens, please kindly refer to the User Manual of the camera.)



To detach the lens

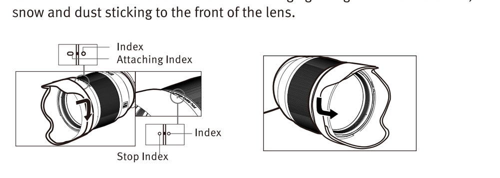
While holding down the lens release button on the camera, rotate the lens counterclockwise until it stops, then detach the lens. Please place the back of the lens upward to avoid scratches on the lens surface and the electronic contacts.

Lens cap

When lens is detached, please cover it with a dust cap. Align the mounting index on the dust cap with the mounting index on the lens, then rotate the cap clockwise until it stops. And rotate it counterclockwise when removing the cap.

Lens hood

Lens hood is used to reduce flare or scattering light of ghost and avoid rain, snow and dust sticking to the front of the lens.



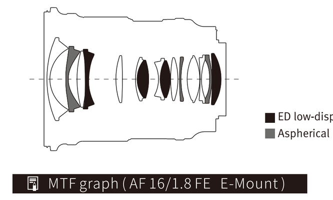
Attaching the lens hood

Align the attaching index on the lens hood with the index on the lens, then insert the lens hood into the lens mount and rotate it clockwise until it clicks and now the stop index on the lens hood should match the index on the lens.

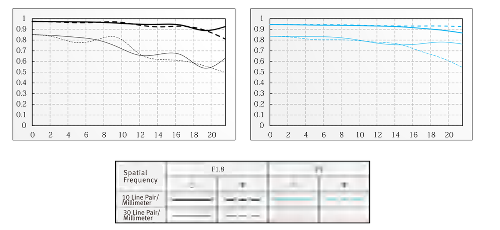
Detaching the lens hood

Rotate the lens hood counterclockwise until the attaching index is aligned with the index on the lens, then remove the lens hood. The lens hood can be attached or stored in the opposite direction.

Lens construction diagram



MTF graph (AF 16/1.8 FE E-Mount)



Safety Notes

- * Do not look at the sun or bright source through the lens or camera, otherwise the vision will be impaired.
- * Do not place the lens in the sun, regardless of whether it is mounted on the camera, otherwise the lens may fuse and cause a fire.
- * Do not place the lens in a child-sensitive area, otherwise it risks accident or injury.
- * Please do not disassemble the internal parts of the product yourself, which may cause damage.

Using Tips

- * When attaching the lens, be careful not to let it be hit by a mechanical impact.
- * When stored, please make sure to put the lens cap on the lens.
- * Please do not store the lens in a very humid place for fear of mildew.
- * Although this lens is dust-proof and moisture-proof, it is not completely waterproof. Special care must be taken when using it in rain or near water. If the internal parts, lens and electronic parts are damaged by water, it may not be repairable.
- * Temperature shock may cause fog or water droplets on the lens surface, so while going into a warm indoor environment in the cold weather, it would better place the lens in an airtight plastic bag or an oven until the lens temperature gets close to the room temperature. Please use the same method when taking the lens from a warm environment to a cold one.

Cleaning

- * Please don't touch the contacts on the lens with your hand. If the lens gets dirty, blow off the dust with a lens-nosed tiger and rub slightly with a clean,soft lens cloth(cleaning cloth).
- * Please do not use any organic solvent, such as dilute or gasoline to clean the lens.

Specification

Item	AF16/1.8 FE
Lens Mount	E-mount
Sensor Format	FF
Lens Elements	15/12
Focal Length	f=16mm
Viewing Angle	105.6°
Aperture	F1.8-F22
Number of Aperture Blades	9
Shooting Distance	0.27m-∞
Focus Mechanism	Ultra light internal focusing
Focus Motor	STM+Lead screw
Focus Mode	MF,AF
Max.magnification	0.1X
Lens Size (Diameter/Length)	Φ 85.2mmx103mm
Weight	≈550g
Filter Size	Φ77mm

The Company reserves the right to change the appearance, technical specifications and performance of this product at any time.