

VILTROX

AF 16/1.8 DL

AF 24/1.8 DL

AF 28/1.8 DL

AF 35/1.8 DL

AF 50/1.8 DL

AF 85/1.8 DL

DL-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.

Shenzhen Jueying Technology Co., Ltd

TEL: +86-755-2877 9024

MAIL: info@viltrox.com

Address: 1207, Floor 12, Block B, Chinto Science&Technology Building, Minzhi Street, Longhua, Shenzhen, Guangdong, China

Standard: GB/T9917.2-2008

FAX: 0755-2877 4730

URL: www.viltrox.com



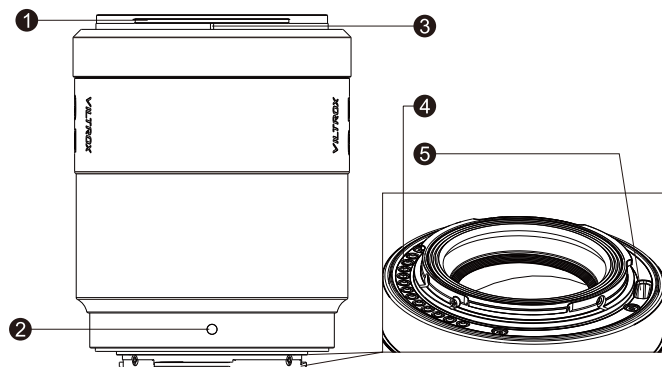
Features

AF 16 24 28 35 50 85/1.8 DL are series auto focus lenses suitable for DL-mount, and noiseless STM focus motor can accurately control the moving position and bring accurate and smooth focusing.

- * HD Nano multilayer coating with water-resistant and antifouling coating
- * Electronic aperture, internal focus, constant lens length
- * Noiseless STM focus motor
- * Precision metal structure
- * The lens structure includes ED low-dispersion lenses, High refractive lenses, Aspherical lenses, etc.

Item	AF 16/1.8 DL	AF 24/1.8 DL	AF 28/1.8 DL	AF 35/1.8 DL	AF 50/1.8 DL	AF 85/1.8 DL
ED low-dispersion lenses	4	3	3	2	1	1
High refractive lenses	-	3	3	2	2	4
Aspherical lens	3	2	2	2	2	-

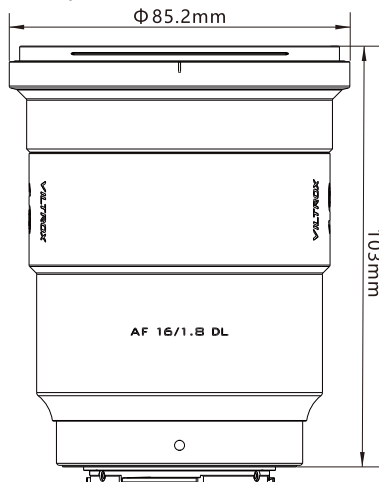
Identifying the parts



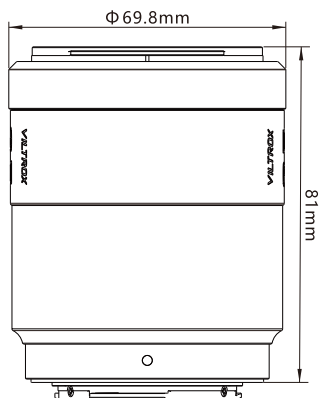
Note: The function of DL-mount series lenses are the same.

- ① Lens hood position ② Lens mounting index ③ Lens hood index
- ④ Electronic contacts ⑤ Type-C upgrade port

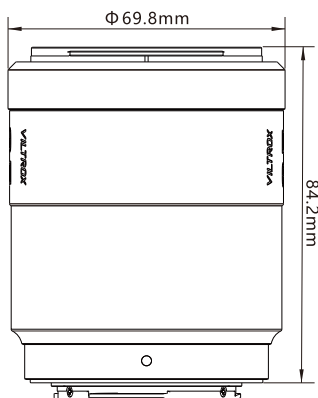
AF 16/1.8 DL



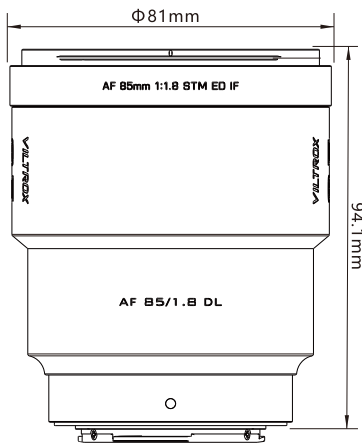
AF 24/1.8 DL



AF 28 35 50/1.8 DL



AF 85/1.8 DL

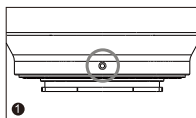


Note: Outline dimensions of AF 28 35 50/1.8 DL lenses are the same.

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.

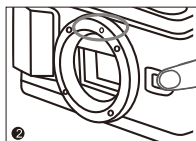
(For further details of attaching and detaching lens, please kindly refer to the User Manual of the camera.)



To detach the lens

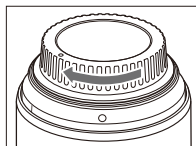
While holding down the lens release button on the camera, rotate the lens counterclockwise until it stops, then detach the lens.

Please place the back of the lens upward to avoid scratches on the lens surface and the electronic contacts.



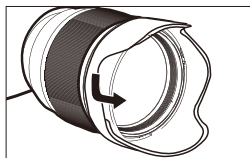
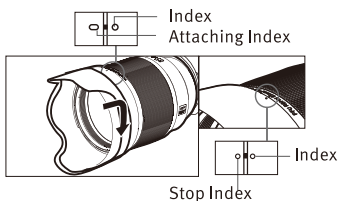
Lens cap

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

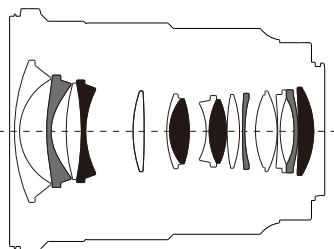
Align the attaching index on the lens hood with the index on the lens, then insert the lens hood into the lens mount and rotate it clockwise until it clicks and now the stop index on the lens hood should match the index on the lens.

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.

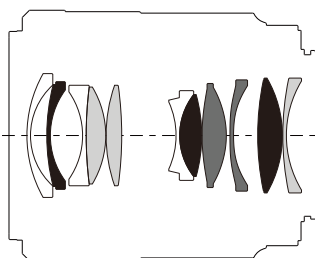
The lens hood can be attached or stored in the opposite direction.

AF 16/1.8 DL



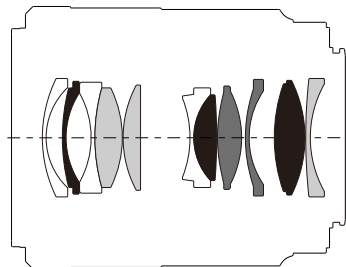
- ED low-dispersion lenses
- Aspherical lens

AF 24/1.8 DL



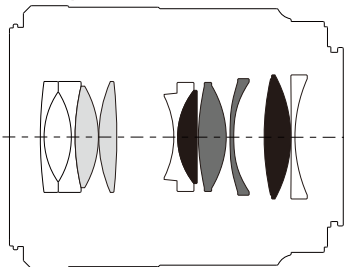
- ED low-dispersion lenses
- High refractive lenses
- Aspherical lens

AF 28/1.8 DL



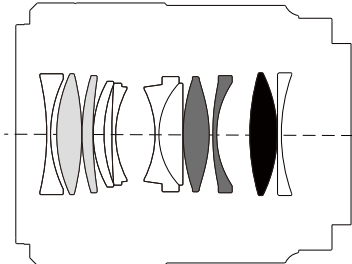
- ED low-dispersion lenses
- High refractive lenses
- Aspherical lens

AF 35/1.8 DL



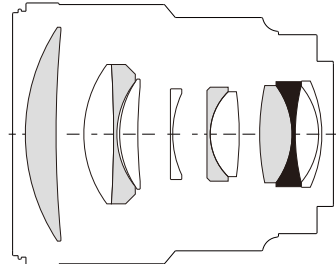
- ED low-dispersion lenses
- High refractive lenses
- Aspherical lens

AF 50/1.8 DL



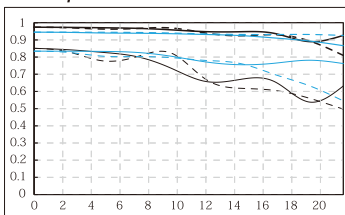
- ED low-dispersion lenses
- High refractive lenses
- Aspherical lens

AF 85/1.8 DL



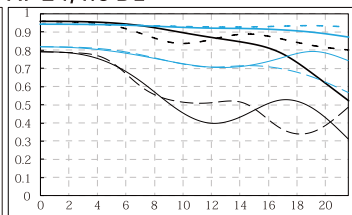
- ED low-dispersion lenses
- High refractive lenses

AF 16/1.8 DL



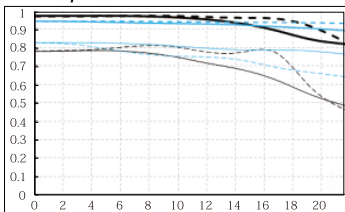
Spatial Frequency	F1.8		F8	
	S	M	S	M
10Line Pairs/mm	—	---	—	---
30Line Pairs/mm	—	---	—	---

AF 24/1.8 DL



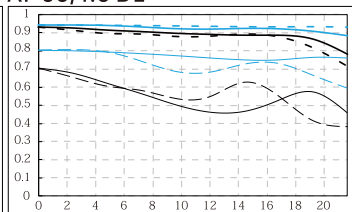
Spatial Frequency	F1.8		F8	
	S	M	S	M
10Line Pairs/mm	—	---	—	---
30Line Pairs/mm	—	---	—	---

AF 28/1.8 DL



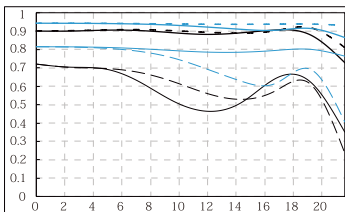
Spatial Frequency	F1.8		F8	
	S	M	S	M
10Line Pairs/mm	—	---	—	---
30Line Pairs/mm	—	---	—	---

AF 35/1.8 DL



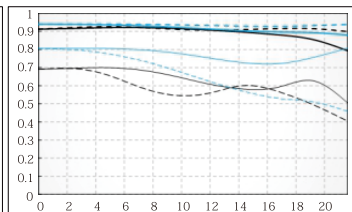
Spatial Frequency	F1.8		F8	
	S	M	S	M
10Line Pairs/mm	—	---	—	---
30Line Pairs/mm	—	---	—	---

AF 50/1.8 DL



Spatial Frequency	F1.8		F8	
	S	M	S	M
10Line Pairs/mm	—	---	—	---
30Line Pairs/mm	—	---	—	---

AF 85/1.8 DL



Spatial Frequency	F1.8		F8	
	S	M	S	M
10Line Pairs/mm	—	---	—	---
30Line Pairs/mm	—	---	—	---

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.
- * The lens is not water-resistant, so it must be used carefully when it is raining or near water. If the internal parts, lens or the electrical components are damaged by water, it is probably unable to repair.
- * 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.

Item	AF 16/1.8 DL	AF 24/1.8 DL	AF 28/1.8 DL
Lens Mount	DL-mount		
Sensor Format	FF		
Lens Elements	15/12	11/9	
Focal Length	f=16mm	f=24mm	f=28mm
Viewing Angle	105.6°	84°	74.6°
Aperture Range	F1.8-F22	F1.8-F16	
Number of Aperture Blades	9		
Shooting Distance	0.27m-∞	0.3m-∞	0.37m-∞
Focus Mechanism	Ultra light internal focusing		
Focus Motor	STM+Lead screw		
Focus Mode	AF		
Max.magnification	0.1 ×		
Lens Size (Diameter/Length) (Diameter x length) Distance from the camera lens bayonet flang	φ85.2×103mm	φ69.8×81mm	φ69.8×84.2mm
Weight Excluding lens cap and lens hood	≈455g	≈316g	≈350g
Filter Size	φ77mm	φ55mm	

Item	AF 35/1.8 DL	AF 50/1.8 DL	AF 85/1.8 DL
Lens Mount	DL-mount		
Sensor Format	FF		
Lens Elements	10/8	11/10	10/7
Focal Length	f=35mm	f=50mm	f=85mm
Viewing Angle	63.2°	47.6°	28.8°
Aperture Range	F1.8-F16		
Number of Aperture Blades	9		
Shooting Distance	0.4m-∞	0.55m-∞	0.8m-∞
Focus Mechanism	Ultra light internal focusing		
Focus Motor	STM+Lead screw		
Focus Mode	AF		
Max.magnification	0.1×		
Lens Size (Diameter/Length) (Diameter x length) Distance from the camera lens bayonet flange	Φ69.8×84.2mm	Φ69.8×84.2mm	Φ81×94.1mm
Weight Excluding lens cap and lens hood	≈320g	≈330g	≈473g
Filter Size	Φ55mm		Φ72mm

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