FFII TS 35mm F2.8
C-Dreamer Macro 0.5X

使用手册
Instruction Manual

微信公众账号　FACEBOOK

安徽长庚光学科技有限公司

www.laowalens.com

服务热线：400-066-1316
Email: sales@laowalens.com
电话Tel：(+86) 551-69107990
地址：安徽省合肥市庐阳区天水路6号
Add：No.6, Tianshui Road, Luyang District, Hefei, Anhui Province

老蛙

LAOWA 老蛙

Preface

Thank you for purchasing our FF II TS 35mm F2.8 C-Dreamer Macro 0.5X lens! Please read this Instruction Manual carefully before using the lens to fully understand its application methods and precautions.

⚠ *For the safety of operation, please read the manual and precautions carefully before using this product, and put the manual in a place where it is easily accessible when needed. If you encounter problems that cannot be solved, please call the after-sales service for technical support.*

Features

- I.The lens is a standard focal segment shift macro lens designed for full-frame cameras, with a magnification of 0.5X, and infinite imaging, shift amount of ±12mm, tilt amount of ±10°, can cover φ67mm image field diameter and other characteristics. The lens adopts a special optical design to ensure the optical quality, while expanding the use of scenarios, increasing the choice of lens for professional commercial photographers.
- II.Shift amount of ±12mm
  In the shooting process, many times the camera position is relatively close to the subject due to environmental limitations.With the help of ±12mm lens offset and rotation function to facilitate composition and splicing, so that the subject will not experience small perspective changes due to close shooting distance and large pitch angle, making the shooting more rigorous.
- III.Tilt amount of ±10°
  The tilt function of the shift lens is to tilt a part of the lens. With the tilt function, photographers can achieve the special effect of focusing on a plane that is not parallel to the image sensor.
- IV. Lens structure
  The mechanical mechanism of the lens is all made of metal parts, ensuring the accuracy and durability of the lens assembly. The lens is constructed by 14 optical elements in12 groups, using 1 high refractive index lens and 4 ED lenses to ensure the lens sharpness, but also to minimize the dispersion and distortion, and improve the edge picture quality.
- Ⅴ. Lens mount
  It is equipped with a special shift holder. The main function of the shift holder is to cooperate with the shift lens, so that the photographer can move the camera position while keeping the perspective unchanged. In this way, the photographer can make full use of the image field of the shift lens to achieve a perfect connection.

Precautions

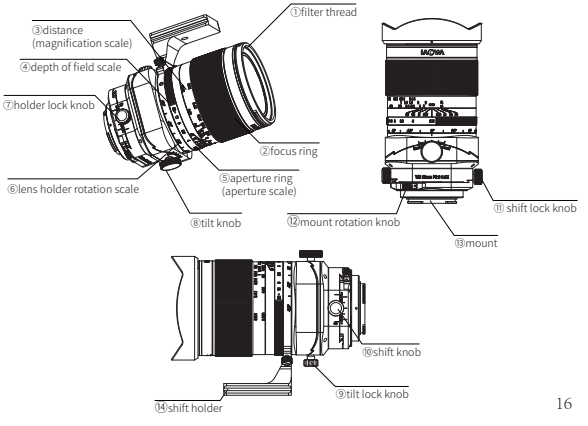
⚠ Safety Precautions

- Do not disassembly, modify or refit the lens by yourself. When the product is damaged due to external causes, any exposed part or broken edge must not be touched.
- Do not place the lens in direct sunlight, in closed cars or at other high-temperature places; otherwise, excessively high temperature will cause the expansion/shrinkage deformation of lens elements and other parts.
- When the lens is not in use, please mount the front lens cap, or place the lens at the place under no sunlight. The light rays reflected by the convex lens may be concentrated on nearby objects, and thus cause a fire.
- For backlight photographing, keep the sun well out of the viewing frame; otherwise, sunlight focused into the camera will cause a fire, or scorch eyes.

Precautions for long-term use and maintenance

- Do not touch the lens surface. Use special lens cloth, or blow air, to remove the dust from the lens surface. When the lens is not in use, mount the lens cap.
- When lens cleaning paper or lens cloth is used for cleaning, the dirt and fingerprints on the lens shall be wiped off in a spiral pattern, starting from the center of the lens and moving to the rim.
- When the lens is transferred suddenly from cold environment to warm environment, water fog will be caused on both the external and internal elements of the lens. For this reason, protective measures against moisture shall be taken during the transferring.

Nomenclature



Mounting lens

Take off the rear lens cap. Align the mounting mark (⑬) on the lens mount with the corresponding mark on the camera mount ring; then, insert the lens to the mount ring, rotate the lens in the mounting direction of the purchased mount, and stop rotating until a click sound is heard (meaning the lens is locked). Please do not apply excess force for mounting; otherwise, the mount may be damaged.

Detaching lens

Power off the camera; then, press and hold the lens release button, rotate the lens in a direction opposite to the mounting direction of the purchased mount, and draw out the lens from the mount ring.
After lens mounting, please try to rotate the lens to ensure it is fixed on the camera.

Focusing

It is the manual focus lens. Rotate the focus ring (②) slowly until the image is in focus.

Do not rotate the focus ring too forcefully or too quickly to avoid damaging the focusing ring components with excessive force.

The distance scale (③) and depth-of-field scale (④) on the lens are provided for instruction. The actual focal point and depth of field may be different from these marked scales.

Utilizing tilt function

1.Loosen the (⑨) tilt lock knob.
2.Rotate(⑧) tilt knob to adjust the tilt amount, the adjustment amount is ±10°.

Utilizing shift function

1. Loosen the (⑪) shift lock knob.
2. Rotate the (⑩) shift knob to adjust the shift amount.
3. When the required shift amount is obtained, tighten the lock knob.

Rotation function

The rotation function enables you to change the shift direction by rotating the shift mechanism.

Hold down the (⑫)mount rotation knob to rotate ±180°. A limiting position is provided at every 15° of the lens.

Usage of shift holder

Loosen the (⑦) holder lock knob, and the lens can rotate ± 180°.
The lens has a scale display every 15 degrees, and the angle can be adjusted according to the shooting needs.
After adjusting the angle, lock the (⑦) holder lock knob.

Usage of aperture

Adjust the aperture on the lens, and choose the corresponding aperture by rotating the aperture ring (②) according to the shooting environment and the required depth of field.
As no CPU data of the lens are available, its aperture parameters cannot be recorded temporarily.
Though the shutter-priority mode cannot be used well due to manual aperture adjustment, but the aperture-priority mode can be used (the metering accuracy depends on the camera model).

ATTENTION: When the lens is tilted at a 45° angle with a maximum shift of ±12mm, the structural end of the lens may interfere with certain camera bodies that have wider grips. To avoid damaging the camera body, please conduct a test before use or reduce the shift amount based on actual shooting conditions.

Specifications

Specifications	
Name	FF TS 35mm F2.8 C-Dreamer Macro 0.5X
Format	Full Frame
Focal Length	35mm
Aperture Range	F2.8-F22
Angle of View	87.5°
Lens Structure	14 elements in 12 groups (4 ED lens and 1 high index lens)
Aperture Blades	15
Min. focusing Distance	22.8cm
Min. Working Distance	6.1cm
Max. Magnification	0.5X
Shift amount	±12mm
Angle of Tilt	±10°
Focus Type	MF
Filter Thread	Φ77mm
Dimensions	ϕ85*148.9mm
Weight	~1350g (without front and rear caps)
Mounts	GFX/E/RF/Z/L/XCD