

walimex

Copy of Instruction Manual



650-1300/8-16 Tele T2

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The walimex Telezoom Lens has an unusually long focal distance range of 650-1300mm at a speed of 8.0-16 (depending on focal distance). The sturdy metal casing and the high-quality coated glass lenses ensure a good image quality. The internal focusing (i.e. the front lens does not turn while focusing) enables the unproblematic use of polarising and graduated filters. With the help of the sturdy tripod mount ring the lens can be fastened to a tripod with an optimised balance point (because of the long focal distance we recommend the use of a tripod in order to achieve vibration-free exposure). With a comparatively short closest focusing distance of only 5 metres, the lens enables a sensational magnification at 1300mm. Focusing takes place manually. The lens can be used with aperture priority and manual exposure setting. Thanks to the easy handling, the lens is also especially suitable for beginners.

1. Mounting your lens

Your Lens utilizes a universal mounting ring (T2) which allows your lens to fit practically all SLR cameras manufactured since 1960. Simply attach the specific T2 adapter for your style camera to the actual lens and then mount to your camera body in the same way as your existing lens, which your camera is equipped. Also remove your lens the same way as your existing lens and consult your camera introduction manual for further details. After mounting your T2 adapter to the lens, you may have to adjust the T-mounts so that the top of the lens faces upward. If this is necessary, loosen the 3 small screws located on the T-mounts and turn the lens until it is in the proper usable position. Make sure to retighten the 3 screws after you make the adjustments.

2. Focusing the lens

Turn the ring with hole open position. Now you see through the viewfinder of their camera. Now you can set the desired focal length. This setting attach by focusing again on hole position is rotated.

NOTE: *In order to compensate focusing when normal focusing position may differ due to extreme temperature change, the focusing ring has been designed to allow rotation beyond the fixed engraved marks of the distance scale, To avoid error, focusing should always be made while looking through the viewfinder.*

NOTE: *No adjustment of focusing is necessary when taking infrared photography, as is required with normal lenses.*

3. Using the viewfinder with the telephoto lenses

The effectiveness of different types of focusing screens varies with the focal length and maximum aperture of the lens. The range finder of microgrid prisms built into the ground glass do not work as well with longer focal length lenses as they do with the normal camera lens and most wide-angle lenses, and may blackout partially or fully "the center focusing spot." When such a condition exists, focusing is best done on the ground glass portion of the viewing screen. On some SLR cameras, long telephoto lenses appear to produce a cut-off image in the upper corners or along the entire upper edge of the view finder. Actually such viewing cut-off is caused by the size of the camera's mirror which is more suitable for the shorter focal length lenses only. The exposed slide or negative will be unaffected by this viewing deficiency. The picture is not affected by the defect!

4. Depth of field

The area in acceptable sharpness in front of, and behind, the subject in focus is called the Depth of Field. The aperture selected and the distance of the subject, as well as, the focal length of a lens determines such depth of field.

Because of the longer focal length of your Reflex lens the depth of field is acutely narrow, for example, with a 500mm f8.0 lens, at a distance of 6 feet, the depth of field is only 1/2 inch wide. Therefore, it is recommended to first practice focusing with your lens before taking any serious pictures, especially in close-up photography. It is suggested that a focus magnifier be used to help determine the depth of field sharpness under such extreme conditions.

5. Cleaning and maintenance tips

The lens should always be capped when not in use. Like other precision optics, it should never be simply wiped with tissue since this may abrade the surface with any dust clinging to it or on the lens.

Any accumulated dust should occasionally be blown off with a syringe or available blower brush designed for this purpose. To remove fingerprints or smears, shred the edge of a lens tissue and roll it to make a swab: dampen it with a lens cleaner specially made for photographic optics and gently wipe the surface without exercising any pressure. Repeat the procedure if necessary using a new swab. To clean, start at the center of the lens, using a circular motion and working to the edge of the lens for best results.

When the lens is not in use, it should be stored in a cool dry place, however, if this is not possible, a leather case with a silica gel packet will afford the same protection as an aluminum case with poly foam liner.

6. Fault finding

Phenomena	Causes	Measures
A lens can't be attached to the camera	The lens ring mount and the camera mount are not aligned.	Align the lens ring mount and the camera mount.
A lens can't be detached from the camera	Incorrect rotation direction for detaching. If the user turns the lens while holding the camera, it may cause damage to the lens.	Press the lens release button on the camera, and lightly turn the lens to the lens attaching and detaching reference points, in the direction as marked on the camera and then pull the lens forward.
Dark Image	Incorrect focusing. Insufficient shutter speed or camera shake	Turn the focus ring while checking the indication or checking an object visually, set the focus until it reaches a clear point and then press the shutter. Steady the camera and take a photograph at a shutter speed of 1/125 sec.
Autofocus failure	Autofocus failed with manual control focus lens	Set focus by turning the focus ring.
Dark or too bright pictures	Inappropriate exposure	Adjust the aperture size by turning the lens or adjust the shutter speed

7. Technical specifications

Lens speed	F8.0-16
Lens group/Lenses	8/5
Image angle	38°-2°
Closest focusing distance	5m
Filter diameter	30,5mm
Front diameter	67mm
Overall length	approx. 298mm
Weight	approx. 640g

8. Included in delivery

- 1 x lens
- 1 x lens cap
- 1 x lens bag