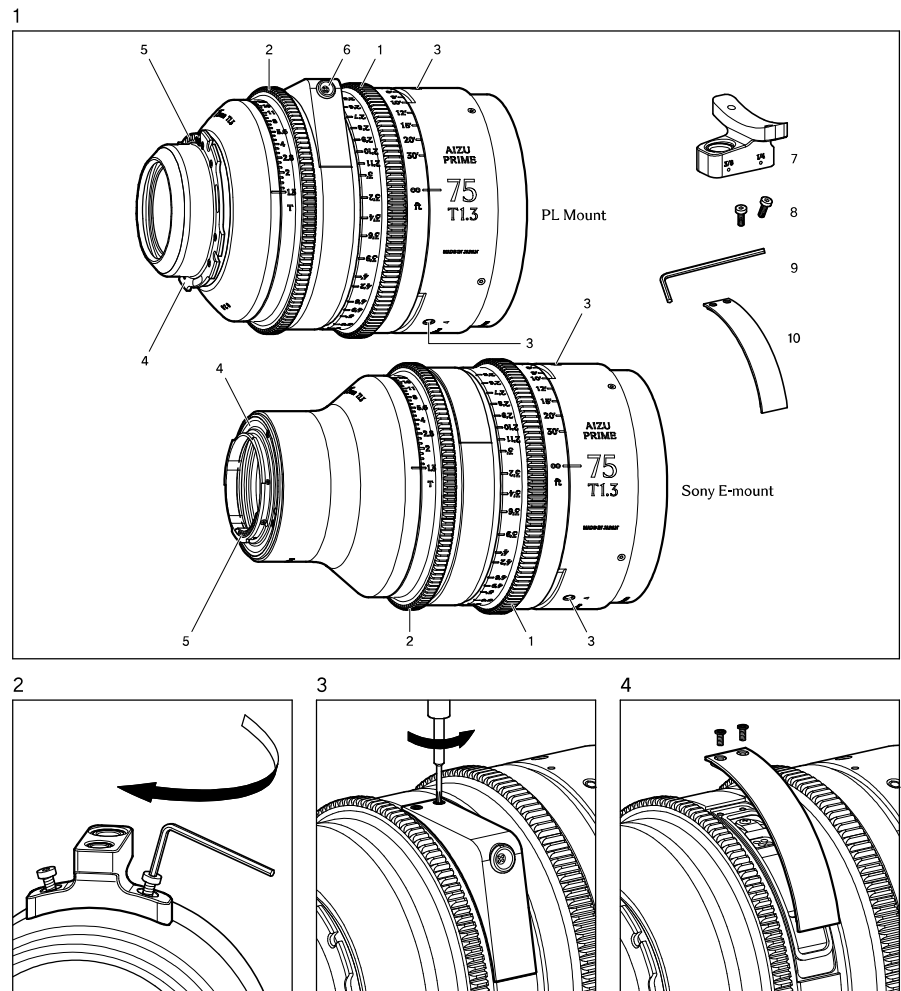


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Fig. 1-4



Thank you for purchasing a Sigma lens. Please read this instruction manual carefully to correctly understand the lens's functions, operation, and handling precautions.

WARNING!! : SAFETY PRECAUTIONS

- Do not look directly at the sun through the lens. Doing so can cause damage to the eye or loss of eyesight.
- Do not leave the lens in direct sunlight without the lens cap attached, whether the lens is attached to the camera or not. This will prevent the lens from concentrating the sun's rays, which may cause fire.
- The shape of the mount and its surrounding parts are very complex. Please be careful when handling them so as not to cause injury.
- Please use a sturdy tripod that is capable of supporting the weight of this lens. If the tripod is not sturdy enough, it may tip over.

DESCRIPTION OF THE PARTS (Fig.1)

1. Focus ring / Focus drive gear
2. Iris ring / Iris drive gear
3. Lens support foot fixing screw holes
4. Mount
5. Camera electrical contacts
6. LEMO connector
7. Lens support foot
8. Lens support foot fixing screws (2 pieces)
9. Hex key
10. LEMO connector cover

CAUTION

Please make sure the camera is off when attaching or detaching the lens. Otherwise, the electronic circuit of the lens might possibly be damaged.

/i Technology (PL MOUNT)

This lens is compatible with the /i Technology communication protocol designed and developed by Cooke Optics Ltd. By using an /i Technology-compatible cine lens with a camera that supports the same protocol, users can see and record lens metadata such as focus distance, focal length, and aperture.

- The compatibility of /i Technology has been tested and approved by Cooke Optics Ltd. Please contact Cooke Optics Ltd. for further information about this technology.

ZEISS eXtended Data (PL MOUNT)

This lens supports ZEISS eXtended Data, offering real-time lens metadata during shooting. It also enables the export of distortion and shading correction data, streamlining workflows for VFX productions.

METADATA COMMUNICATION (PL MOUNT)

Metadata communication for /i Technology and ZEISS eXtended Data is made with the camera or connected device using the /i Technology communication protocol via the electrical con-

tacts on the mount, or via the LEMO connector (4 pin).

- Depending on the camera, there may be some limitations on lens data that can be indicated or recorded.

LENS SUPPORT FOOT

This lens has a lens support foot to improve stability. It can be attached to the lens support on the rig.

HOW TO ATTACH

It is possible to fix the lens support foot, using the two supplied screws, to the holes on the lens barrel. Use the supplied hex key and tighten the screws in the two different holes, as shown in the image (Fig.2).

CAUTION

As shown in the below chart, it is necessary to use the dedicated lens support foot and screws for each model. If other types are used, it could damage the lens barrel and stability of the lens may not be sufficient.

21mm T1.3 LF, 25mm T1.3 LF, 27mm T1.3 LF, 32mm T1.3 LF, 35mm T1.3 LF, 40mm T1.3 LF, 50mm T1.3 LF, 65mm T1.3 LF, 75mm T1.3 LF

Model of lens support foot	Lens support foot fixing screws
SF-61	M3×8

100mm T1.3 LF, 125mm T1.3 LF

Model of lens support foot	Lens support foot fixing screws
SF-71	M3×6

- Please only use the supplied hex key. Other hex keys may not be suitable to tighten the screws sufficiently.
- Make sure the lens support foot is always attached to the rig while shooting. It is not designed to stabilize the weight of the camera and lens by itself.

REMOVING THE LEMO CONNECTOR (PL MOUNT)

The LEMO connector can be removed.

1. Remove the two fixing screws using a commercially available screwdriver (drive size compatible with 4IPR) and remove the LEMO terminal from the lens body (Fig.3).
 2. Attach the included LEMO connector cover using the two fixing screws (Fig.4).
- When removing the LEMO connector, be sure to attach the LEMO connector cover. Using the lens without the cover may allow dust or water to get inside, which could cause a malfunction.
 - Never touch the electrical contacts inside the lens as this may cause malfunctions such as poor communication.

BASIC CARE AND STORAGE

- Avoid exposing the lens to extreme temperatures or high humidity environments.
- Please store this lens in a cool, dry place with good ventilation. To avoid damage to the lens coating, keep away from mothballs or naphthalene gas.
- Do not use thinner, benzene or other organic cleaning agents to remove dirt or finger prints from the lens elements. Instead, clean with a soft, moistened lens cloth or lens tissue.
- The lens has a dust and splash resistant structure. Although this construction allows the lens to be used in light rain, it is not the same as being waterproof, so please prevent large amounts of water from splashing on the lens. It is often impractical to repair the internal mechanism, lens elements and electric components if they are damaged by water.
- Sudden temperature changes may cause condensation or fog to appear on the surface of the lens. When entering a warm room from a cold environment, it is advisable to keep the lens in the case to allow the lens to reach room temperature more gradually.

SPECIFICATIONS

		21mm T1.3 LF	25mm T1.3 LF	27mm T1.3 LF	32mm T1.3 LF	35mm T1.3 LF	40mm T1.3 LF
T-number		1.3 - 22	1.3 - 22	1.3 - 22	1.3 - 22	1.3 - 22	1.3 - 22
Number of diaphragm blades		13	13	13	13	13	13
Close focus *1 (m / ft)		0.35 / 1' 2"	0.31 / 1' 0"	0.33 / 1' 1"	0.34 / 1' 2"	0.35 / 1' 2"	0.38 / 1' 3"
Maximum Magnification Ratio		1:9.7	1:6.5	1:6.9	1:6.3	1:6.1	1:6.1
Image coverage (mm)		46.3	46.3	46.3	46.3	46.3	46.3
Front diameter (mm / in)		95 / 3.7	95 / 3.7	95 / 3.7	95 / 3.7	95 / 3.7	95 / 3.7
Maximum diameter (mm / in)		104 / 4.1	104 / 4.1	104 / 4.1	104 / 4.1	104 / 4.1	104 / 4.1
Length *2 (mm / in)	PL Mount	120.1 / 4.8	125 / 5	125.4 / 5	128.5 / 5.1	128.6 / 5.1	128.8 / 5.1
	Sony E-mount	154.1 / 6.1	159 / 6.3	159.4 / 6.3	162.5 / 6.4	162.6 / 6.5	162.8 / 6.5
Weight *3 (kg / lb)	PL Mount	1.6 / 3.6	1.7 / 3.6	1.7 / 3.6	1.7 / 3.7	1.6 / 3.6	1.6 / 3.5
	Sony E-mount	1.7 / 3.7	1.7 / 3.7	1.7 / 3.8	1.8 / 3.8	1.7 / 3.7	1.7 / 3.7
Horizontal angle of view *4		82.3°	72.6°	68.4°	59.7°	55.3°	49.3°
Horizontal angle of view *5		81.2°	71.5°	67.4°	58.7°	54.4°	48.5°
Horizontal angle of view *6		61.3°	52.9°	49.5°	42.5°	39.2°	34.6°

		50mm T1.3 LF	65mm T1.3 LF	75mm T1.3 LF	100mm T1.3 LF	125mm T1.3 LF
T-number		1.3 - 22	1.3 - 22	1.3 - 22	1.3 - 22	1.3 - 22
Number of diaphragm blades		13	13	13	13	13
Close focus *1 (m / ft)		0.48 / 1' 7"	0.61 / 2' 0"	0.73 / 2' 5"	1 / 3' 4"	1.25 / 4' 2"
Maximum Magnification Ratio		1:7.1	1:7.6	1:8.2	1:8.8	1:8.9
Image coverage (mm)		46.3	46.3	46.3	46.3	46.3
Front diameter (mm / in)		95 / 3.7	95 / 3.7	95 / 3.7	95 / 3.7	114 / 4.5
Maximum diameter (mm / in)		104 / 4.1	104 / 4.1	104 / 4.1	104 / 4.1	119.2 / 4.7
Length *2 (mm / in)	PL Mount	126.3 / 5	125 / 5	128.1 / 5.1	144 / 5.7	152.8 / 6.1
	Sony E-mount	160.3 / 6.4	159 / 6.3	162.1 / 6.4	178 / 7.1	186.8 / 7.4
Weight *3 (kg / lb)	PL Mount	1.7 / 3.7	1.6 / 3.6	1.7 / 3.8	2.2 / 4.7	2.2 / 4.9
	Sony E-mount	1.8 / 3.9	1.7 / 3.7	1.8 / 4	2.3 / 4.9	2.3 / 5.1
Horizontal angle of view *4		40.3°	31.5°	27.5°	20.8°	16.7°
Horizontal angle of view *5		39.6°	31°	27°	20.4°	16.4°
Horizontal angle of view *6		28°	21.7°	18.9°	14.2°	11.4°

*1 Close focus distance is measured from the image plane.

*2 Front to mount flange.

*3 Without lens support foot, front cap and rear cap.

*4 ARRI LF Open Gate mode aperture (Aspect ratio 3:2, dimensions 36.70 mm × 25.54 mm / 1.445" × 1.006")

*5 Full-frame cinema camera aperture (Aspect ratio 1.5:1, dimensions 36 mm × 24 mm / 1.42" × 0.94")

*6 Super 35 cinema camera aperture (Aspect ratio 1.33:1, dimensions 24.9 mm × 18.7 mm / 0.98" × 0.74")

SPUR GEAR SPECIFICATIONS

	Focus drive gear	Iris drive gear
Number of teeth	128 (100mm/T1.3 LF, 125mm/T1.3 LF: 147)	124 (100mm/T1.3 LF, 125mm/T1.3 LF: 141)
Module	0.8	0.8
P.C.D (mm)	102.4 (100mm/T1.3 LF, 125mm/T1.3 LF: 117.6)	99.2 (100mm/T1.3 LF, 125mm/T1.3 LF: 112.8)
Angular rotation	270°	70°

For detailed information on Sigma Cine Lenses, refer to the following Sigma webpage.
sigma-global.com/en/support/