FUJIFILM

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FUJINON CINE LENS
富士能电影镜头
FUJINON OBJECTIF CINÉ

Premista28-100mmT2.9 F/M
Premista80-250mmT2.9-T3.5 F/M

取扱説明書
Operation Manual
使用手册
Mode d'emploi

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BB00047219-200
LP800(801)A-FM 3108

FCC REGULATIONS

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canadian Radio Interference Regulation

CAN ICES-3(B) / NMB-3(B)
CAUTION : This Class B digital apparatus complies with Canadian ICES-003.

Disposal of Electrical and Electronic Equipment in Private

In the European Union, Norway, Iceland and Liechtenstein:
This symbol on the product, or in the manual, and/or on its packaging indicates that this product shall not be treated as household waste. Instead it should be taken to an applicable collection point for the recycling of electrical and electronic equipment.
By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

FOR YOUR SAFETY

This content explains important notices for all the users to use this product safely.
Read the content carefully before using, and follow the instructions.
The following signs of ⚠WARNING and ⚠CAUTION show :

⚠WARNING Indicates the possibility of causing death or serious injury when misused.

⚠CAUTION Indicates the possibility of causing injury or substantial damage when misused.

⚠WARNING

- Do not moisten inside of the appliances. It may cause fire or electric shock.
  If the incident occurs, shut off the power supplied to the lens immediately.
- Be sure to attach all the parts securely. Dropping any parts from a height may cause severe accidents.
- Do not look at any sorts of strong illuminant such as the sun through the lens. Eyes could be harmed.

⚠CAUTION

- Take care when carrying the lens. Dropping the lens while carrying may cause injury.
- Be sure to confirm that the camera to be used with the lens system (lens and accessories) is able to supply sufficient electric power to the lens system. If not, the lens system may not work normally and the camera will be damaged. The values of the power consumption of the lens and the accessories are described in "Specifications" section of their operation manuals.
- Before supplying the power to the lens, make sure all the parts are connected correctly.
- In order to install or release a cable, be sure to hold the joint part. Do not damage the cable by gripping. It may cause fire or electric shock.
- If any sorts of incidents such as unusual smoke, noise, smell or obstacles are found, shut off the power supplied to the lens and detach the lens from the camera immediately. Please notify the sales agent from which you purchased the product.
- Do not remodel the instrument: it may impair the functions of product or cause electric shock.

NOTICE

- Lens and its accessories are extremely precise instrument, then be sure not to apply the strong impacts to them. If the lens is of a type in which the rear lens protrudes from the flange surface of the lens mount, be sure not to apply impact to the lens part when installing or releasing.
- There may be a case that the glasses of the lens mist when the lens is carried from a cool place to a place of high temperature and high humidity. To avoid a mist on the glasses, before moving the lens, let the lens adjust to the ambient temperature of the place where the lens will be used.
- Be sure not to apply impact to the front part of the lens when operating the camera.
- Put the cap on the lens while the camera is not used.
- If an accessory to be attached to the lens is equipped with a mechanical drive relaying part, before attaching it, check the joint part and get rid of all obstacles. If there are any unusual conditions, please contact the sales agent from which you purchased the product.
- When the lens is used in the weather of fog, raining, or snowing, cover up the lens to prevent it from the water.
- To minimize the impact to the lens in transportation, set the zoom to the wide end and the focus to the infinity side end before releasing the lens from the camera.

MEMO

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■ Technical Drawing

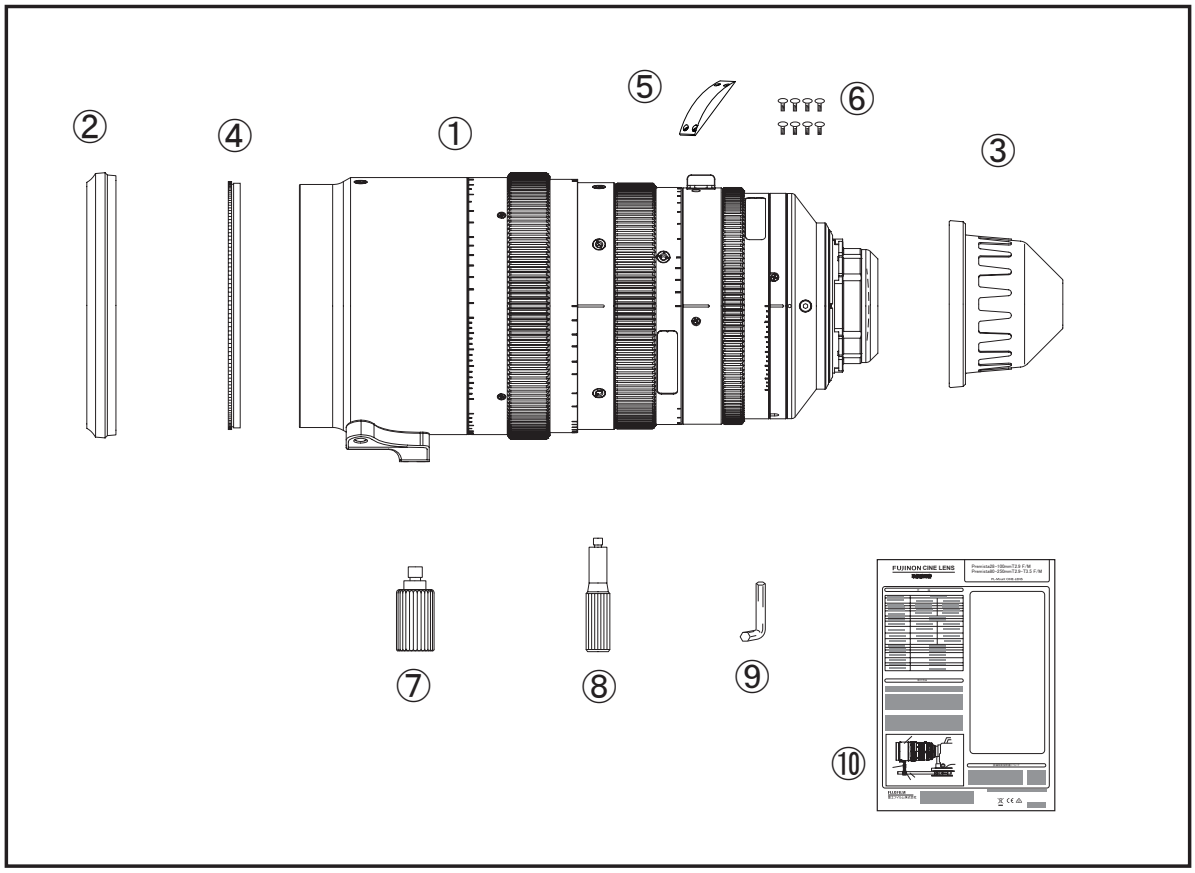
Simens star chart

Note. The products shown in the illustrations in this manual may differ from their actual shapes.

2. GENERAL DESCRIPTION

This lens is a zoom lens designed for PL mount cameras.

3. INSTALLATION



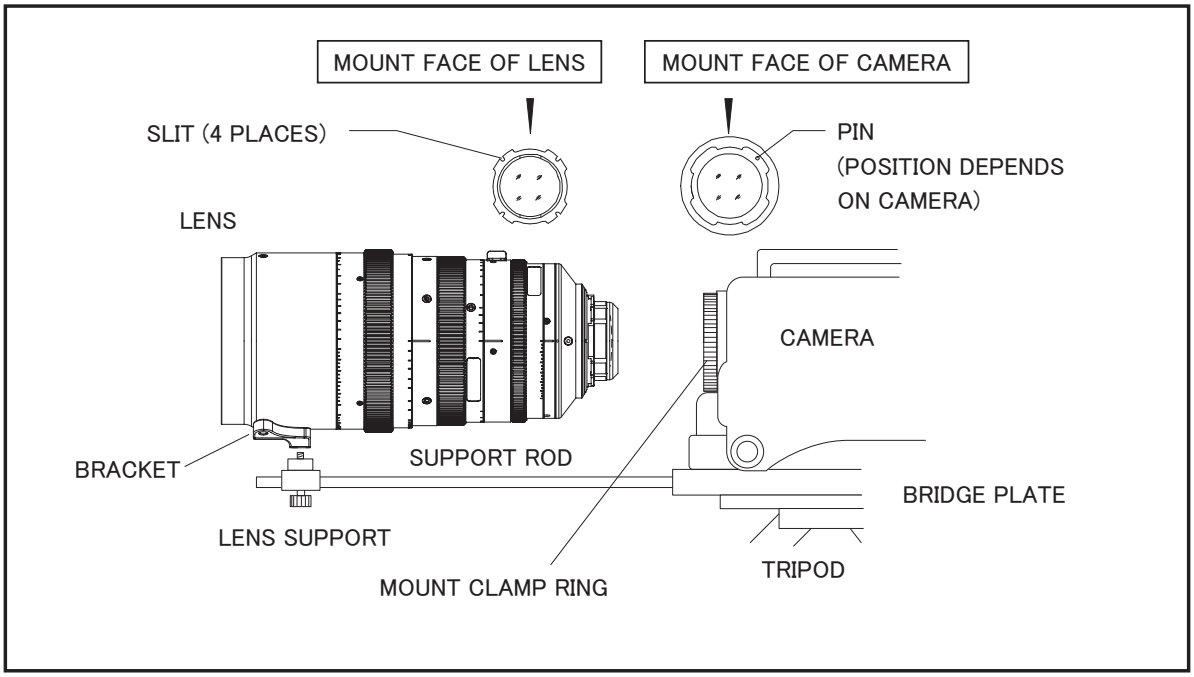
	Quantity
① Lens Body	1
② Front Lens Cap *1	1
③ Rear Lens Cap *1	1
④ Protection Filter *1	1
⑤ Cover for LEMO Connector	1
⑥ Spare screwes (M2 L=4mm)	8
⑦ Support Foot	1
⑧ Zoom Lever	1
⑨ Hex Wrench	1
⑩ Operaton Manual	1

*1 : Attached to the Lens main body when the product is shipped from the factory.

4. INSTALLATION

⚠CAUTION Provide support for the Lens by using the Bridge Plate and Lens Support to protect the Lens and camera mount.

⚠WARNING Be sure to attach all the parts securely. Dropping any parts from a height may cause severe accidents.



◎The installation procedure is as follows:

a. Attach the Camera and the Lens Support to the Bridge Plate.
(The installation procedure varies depending on the Bridge Plate to be used.)

b. Fully turn the camera's mount clamp ring counterclockwise to loosen it.

c. While holding the Lens by hand, align the mounting surface of the Lens and that of the Camera.
((Align the Camera with the Lens so that the pin on the mounting surface of the Camera is securely inserted in the slit on the mounting surface of the Lens.)

d. Temporarily fix the Camera and Lens by slightly turning the camera's mount clamp ring clockwise.

e. While holding the Lens by hand, adjust the position and height of the Lens Support. Do not apply excessive force to the mounting portions of the Camera and Lens while adjusting the position and height.

f. Fully turn the camera's mount clamp ring clockwise and fix the Camera and Lens firmly.

Note. Make sure to adjust the flange focal length when installing the lens on a camera for the first time or installing it on another camera (refer to page 5).

Note. For the installation method of the Bridge Plate and Lens Support, refer to the operation manual that came with each product.

⚠CAUTION Carefully adjust the position and height of the Lens Support. If excessive force is applied to the mounting portions of the Lens and Camera, this may damage the Lens or Camera mounts.

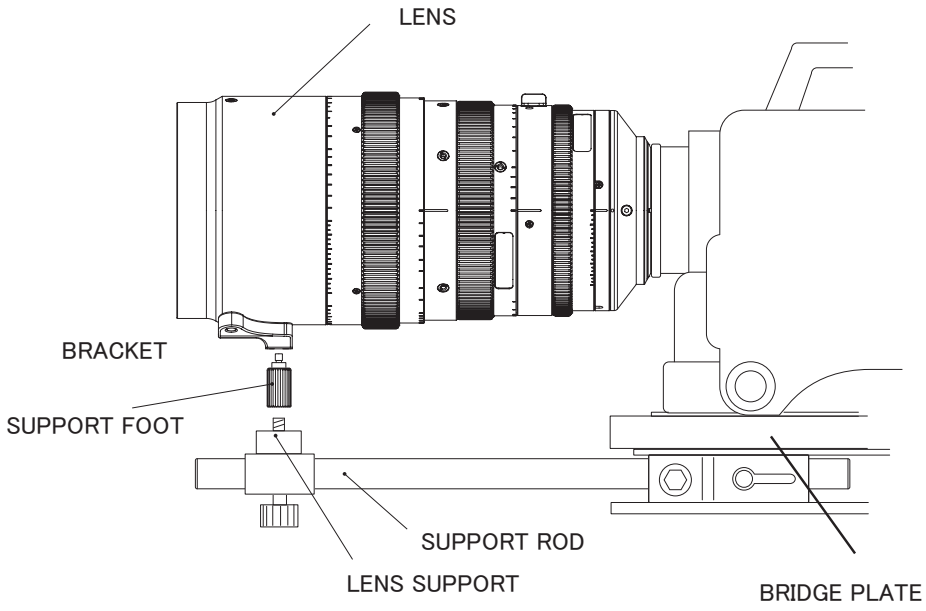
* About Bracket

- The bracket is provided for fixing lens onto support rods.

- If the height of the Lens Support and Bracket are not the same when the Camera and Bridge Plate are installed, attach the Support Foot to the Bracket to adjust the height.

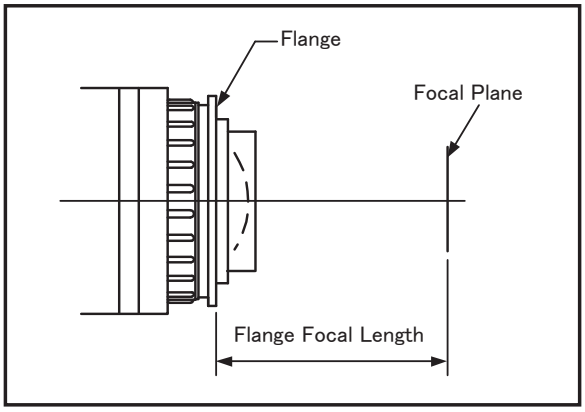
Note. Be sure the Lens Support and Bracket are in a fixed state when you use them.
If the Lens is used when it is not in a fixed state, this may damage the Lens or Camera mounts.

INSTALLATION OF SUPPORT FOOT



5. ADJUSTMENT OF FLANGE FOCAL LENGTH

The flange focal length is the distance from the flange (mounting surface) of a lens to the focal plane.
If the focal plane of the lens does not coincide with the image plane of the camera, the object will be out of focus during a zoom operation. To prevent this from happening, the adjustment of the flange focal length is required.
Make sure to carry out the adjustment when installing the lens to a camera for the first time or installing it to another camera.



5.1 CONDITIONS OF OBJECT AND APERTURE

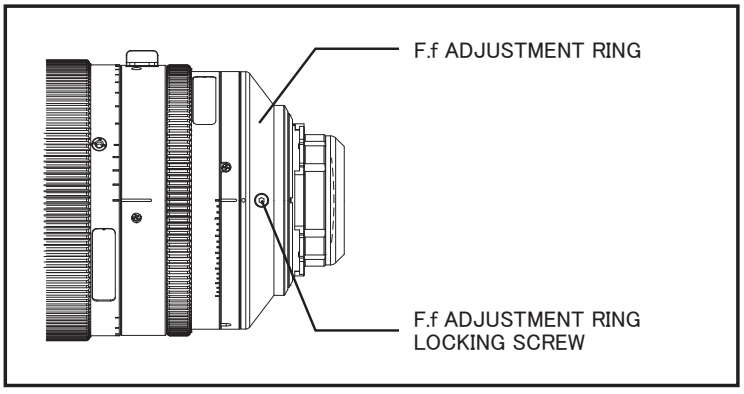
1. Object : Use the Siemens Star (the chart made up of radial black and white lines) at the end of this manual as an object.
2. Distance of object
   : About 3 meters
3. Aperture : Open or as near to open as possible.

Note: The depth of field decreases by opening the aperture of the lens, and it becomes possible to focus on an object more precisely. To precisely adjust the flange focal length, carefully adjust the focus as much as possible.

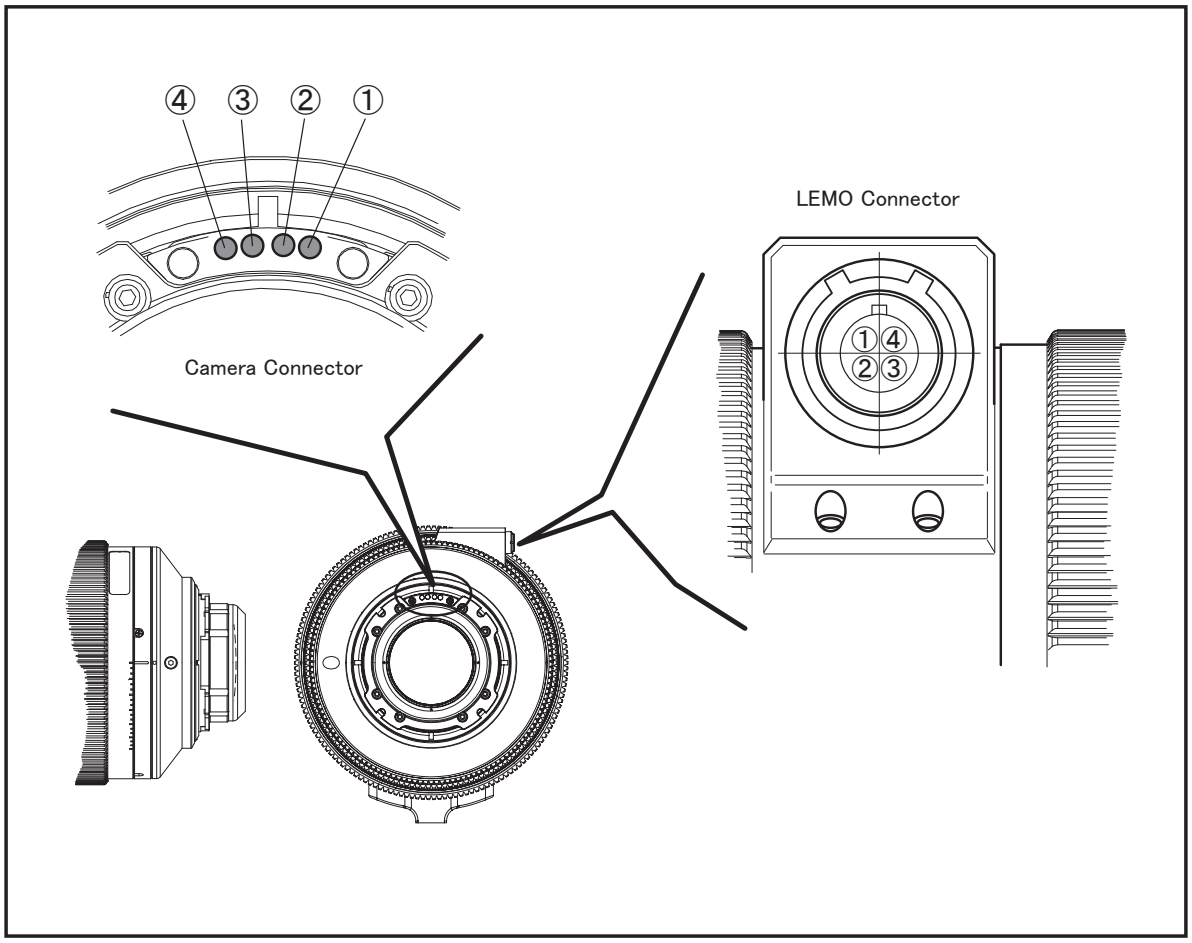
5.2 ADJUSTMENT

After installing the lens to the camera and turning it ON, perform adjustment by watching the monitor of the camera.

a. Loosen the F.f adjustment ring locking screw by rotating it counterclockwise.
b. Operate the zoom to set it to the wide end.
c. Rotate the F.f adjustment ring using the F.f adjustment ring locking screw to focus on the Siemens Star located approximately 3 meters away. The position where the radial black and white lines become sharpest is the optimum focus position.
d. Operate the zoom to set it to the telephoto end.
e. Operate the focus to bring the object into focus.
f. Operate the zoom to set it to the wide end again, and check that the optimum focus position adjusted in step ‘c’ is kept.
g. To adjust precisely, repeat the above steps ‘b’ through ‘f’ several times.
   (If the most optimum focus position usually holds in all zoom areas, the flange focal length is adjusted precisely. If it is not focused, the flange focal length is not adjusted sufficiently.
   In this case, start adjusting again from step ‘b.’)
h. Finally tighten the F.f adjustment ring locking screw firmly.



6. CONNECTION CONNECTOR



This Lens performs serial communications with the Camera via the Connector for Camera and LEMO Connector.
Both the Connector for Camera and LEMO Connector support the Cooke /i communication protocol.
For details about Cooke /i protocol, contact your place of purchase.

6.1 Camera Connector

	SIGNAL	
①	TxD	Output from Lens (TTL)
②	RxD	Input to Lens (TTL)
③	GND	GND (0V)
④	+Vin	Power input (5 V to 35 V DC)

6.2 LEMO Connector (EGB.00.304.CLL)

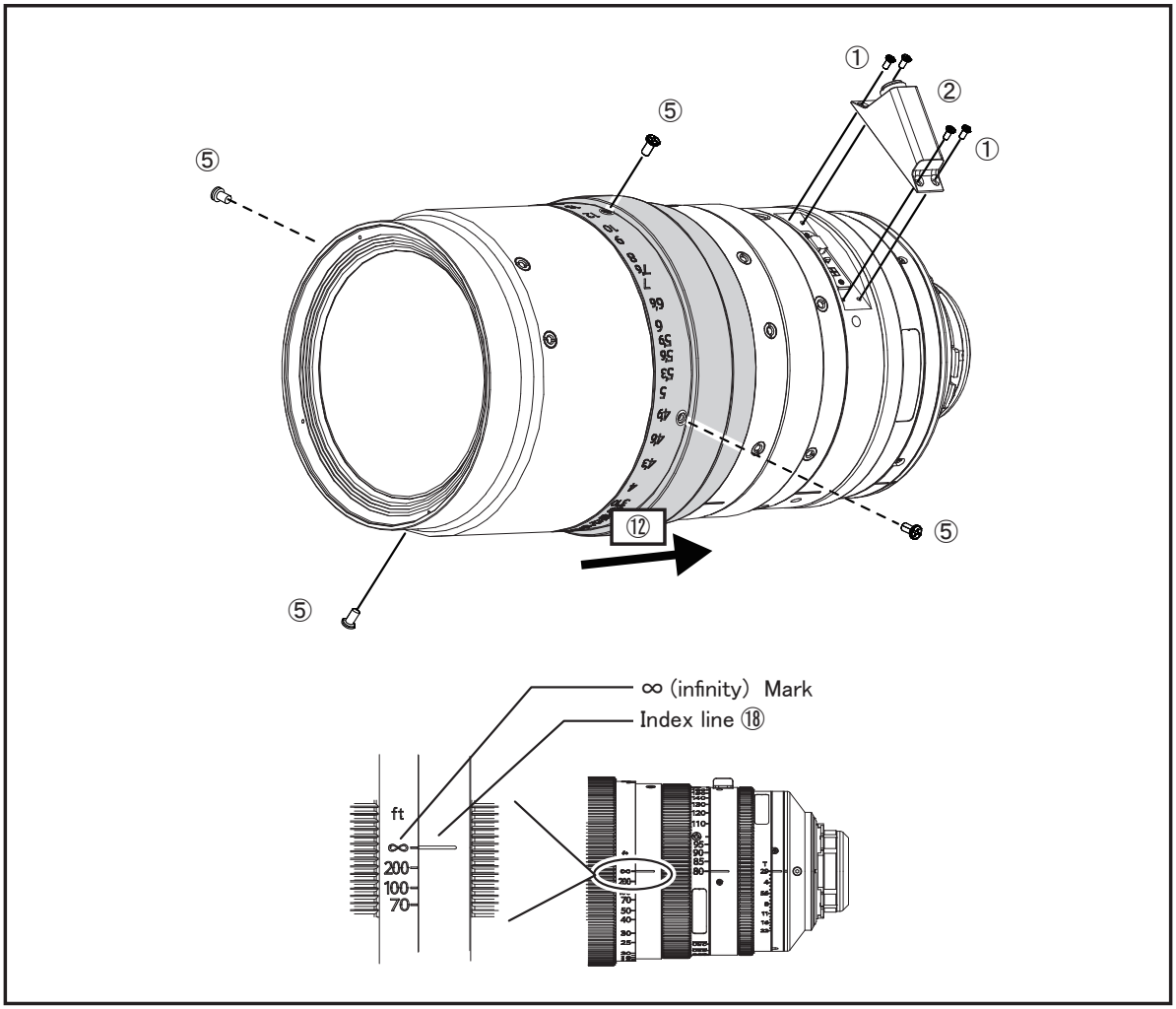
	SIGNAL	
①	TxD	Output from Lens (RS-232C)
②	RxD	Input to Lens (RS-232C)
③	GND	GND (0V)
④	+Vin	Power input (5 V to 35 V DC)

7. CHANGING FOCUS RING AND LEMO CONNECTOR

Another unit system of focus ring (meter or feet, option) is available.
The pre-installed focus ring can be replaced with the optional focus ring.

7.1 Changing Focus Ring

a. Remove the four LEMO Connector installation screws ① .
b. Remove the LEMO Connector ② from the Lens main body.
   Note 1. When you remove the LEMO Connector, be sure not to touch the internal printed circuit board and switches. Otherwise, it may cause trouble, such as a communication failure. If the setting of a switch is accidentally changed, contact the service center of our company.
c. Turn the Focus Ring ⑫ and align the ∞ (infinity) mark of the Focus Ring with Index Line ⑱ .
d. Remove the four Focus Ring installation screws ⑤ .
e. Slide the Focus Ring ⑫ toward the mount to remove it.
f. Attach a new Focus Ring ⑫ (option) using the four screws (5) that were removed in step c.
   Note 2. When you attach a new Focus Ring ⑫ , carefully align the Focus Ring and Lens positions so that the ∞ (infinity) mark of the Focus Ring is aligned with Index Line ⑱ of the Lens main body.
g. Attach the LEMO Connector using the four LEMO Connector installation screws ① that were removed in step a.
   Note 3. After you remove the LEMO Connector installation screws ① and Focus Ring installation screws ⑤ , keep them in a safe place because they are required to attach the LEMO Connector and Focus Ring. If the screws are lost, use the spare screws supplied with this product.



7.2 Changing LEMO Connector

If you do not use the LEMO Connector, replace it with the Cover for LEMO Connector supplied with this product.

Use the following procedure to replace the LEMO Connector with the Cover for LEMO Connector:

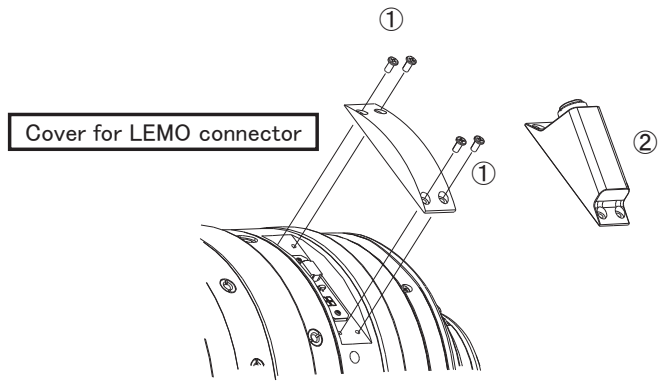
a. Remove the four LEMO Connector installation screws (1).

b. Remove the LEMO Connector (2) from the Lens main body.

Note 1. When you remove the LEMO Connector, be sure not to touch the internal printed circuit board and switches. Otherwise, it may cause trouble, such as a communication failure. If the setting of a switch is accidentally changed, contact the service center of our company.

c. Attach the Cover for LEMO Connector (supplied with this product) in the location where the LEMO Connector (2) was attached. Firmly fix the Cover using the four LEMO Connector installation screws (1) that were removed in step a.

Note 2. After you remove the LEMO Connector installation screws (1), keep them in a safe place because they are required to attach the LEMO Connector. If the screws are lost, use the spare screws supplied with this product.



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8. MAINTENANCE

8.1 CLEANING THE LENS

Prepare lens cleaning liquid and lens cleaning paper on the market.

a. First use a soft brush or blower brush to brush dust off the surface of the lens.

b. Fold the cleaning paper to an adequate size, and dip a part of it into the liquid.
Lightly wipe the lens from the center to the periphery while drawing a spiral with the wet paper part.
Repeat this operation using new paper until the lens is thoroughly cleaned.

8.2 REMOVING THE MOISTURE

When the lens main body is wet, first wipe the water on the external part with dry cloth immediately.
Then put it together with desiccant into a vinyl bag for sealing to remove the moisture inside.

15.3 STORAGE

If it is assumed that the lens will not be used for a long term, store it in a place where high temperature, much moisture or corrosive gas is absent.

8.4 CAUTION

This lens is composed of the optical unit and drive unit.
But never remove the screws that fasten these two units. If the units are separated, it will be required to readjust mechanism in the drive unit.

8.5 INSPECTION

If an abnormality occurs on the lens, contact the sales agent from which you purchased the lens.
To maintain the high performance for a long term for use, we recommend that a periodic inspection is conducted.
Note that we may not be able to inspect and repair our products that have been remodeled on the user's end.

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9. SPECIFICATIONS

ITEM \ LENS			Premista28-100mmT2.9 F/M	Premista80-250mmT2.9-3.5 F/M
MOUNT			PL-Mount	
Image Size (diag.)			46.3 mm	
Focal Length			28 ～ 100 mm	80 ～ 250 mm
Zoom Ratio			3.6 ×	3.1 ×
Maximum Photometric Aperture (T No.)			T2.9	T2.9(80mm ～ 200mm) / T3.5(250mm)
Iris Range			T2.9 ～ T22	
Image Format (H × V)	Aspect Ratio 1 : 1.90		40.96 × 21.60 mm	
	Aspect Ratio 1 : 1.50		36.00 × 24.00 mm	
	Aspect Ratio 1 : 1.78		27.45 × 15.44 mm	
Flange Focal Length (in Air)			52 mm (Adjustable range : ± 0.2 mm)	
Back Focal Length (in Air)			41.33 mm	39.53 mm
Minimum Object Distance (from front of Lens)			0.8 m/2 ft 7 in	1.5 m/4 ft 11 in
Field Angle (H × V)	40.96 × 21.60 mm	WIDE	72.4° × 42.2°	28.7° × 15.4°
		TELE	23.1° × 12.3°	9.4° × 4.9°
	36.00 × 24.00 mm	WIDE	65.5° × 46.4°	25.4° × 17.1°
		TELE	20.4° × 13.7°	8.2° × 5.5°
	27.45 × 15.44 mm	WIDE	52.2° × 30.8°	19.5° × 11.0°
		TELE	15.6° × 8.8°	6.3° × 3.5°
Front Lens Diameter			114 mm	
Full Length			255 mm / 10 in	
絞り羽根枚数			13	
Focus Operation			Manual (Operation Angle : 280°)	
Zoom Operation			Manual (Operation Angle : 120°)	
Iris Operation			Manual (Operation Angle : 48°)	
Contact			Cooke/i (Support ZEISS eXtended Data)	
Current Consumption (at 24V DC, Approx.)			20 mA	
Mass (Lens Body , Approx.)			3.8 kg / 8.4 lbs.	

10. Names of Parts

Names of Parts

①	サービスタップ穴 (2 か所、M3、深さ 3mm)	SERVICE TAP SOCKETS (M3,Depth 3mm) x2
②	LEMO コネクタ	LEMO CONNECTOR
③	ズームレバー取付穴 (5 か所、M3、深さ 3mm)	THREADED HOLES FOR ZOOM LEVER (M3,Depth 3mm) x5
④	F.f 調整リング固定ねじ	F.f ADJUSTING RING FIXING SCREW (M2,Hex screw)
⑤	F.f 調整リング	F.f ADJUSTING RING
⑥	フランジバック (F.f)	FLANGE FOCAL LENGTH (F.f)
⑦	バックフォーカス (B.f)	BACK FOCAL LENGTH (B.f)
⑧	光学ガラス	GLASS ELEMENTS
⑨	保護フィルタ取付ねじ	PROTECTION FILTER SCREW
⑩	支持枠	BRACKET
⑪	フォーカスリング	FOCUS RING
⑫	フォーカス歯車	FOCUS GEAR
⑬	サービスタップ穴 (6 か所、 M3、深さ 3mm)	SERVICE TAP SOCKETS (M3,Depth 3mm) x6
⑭	ズーム歯車	ZOOM GEAR
⑮	ズームリング	ZOOM RING
⑯	アイリス歯車	IRIS GEAR
⑰	アイリスリング	IRIS RING
⑱	指標線	INDEX LINE
⑲	カメラ用コネクタ	CONNECTOR FOR CAMERA
⑳	PL マウント	PL-MOUNT
㉑	LEMO コネクタ取付ねじ	LEMO CONNECTOR INTALLATION SCREWS
㉒	フォーカスリング取付ねじ	FOCUS RING INSTALLATION SCREWS

(UNLESS OTHERWISE SPECIFIED) UNIT : mm

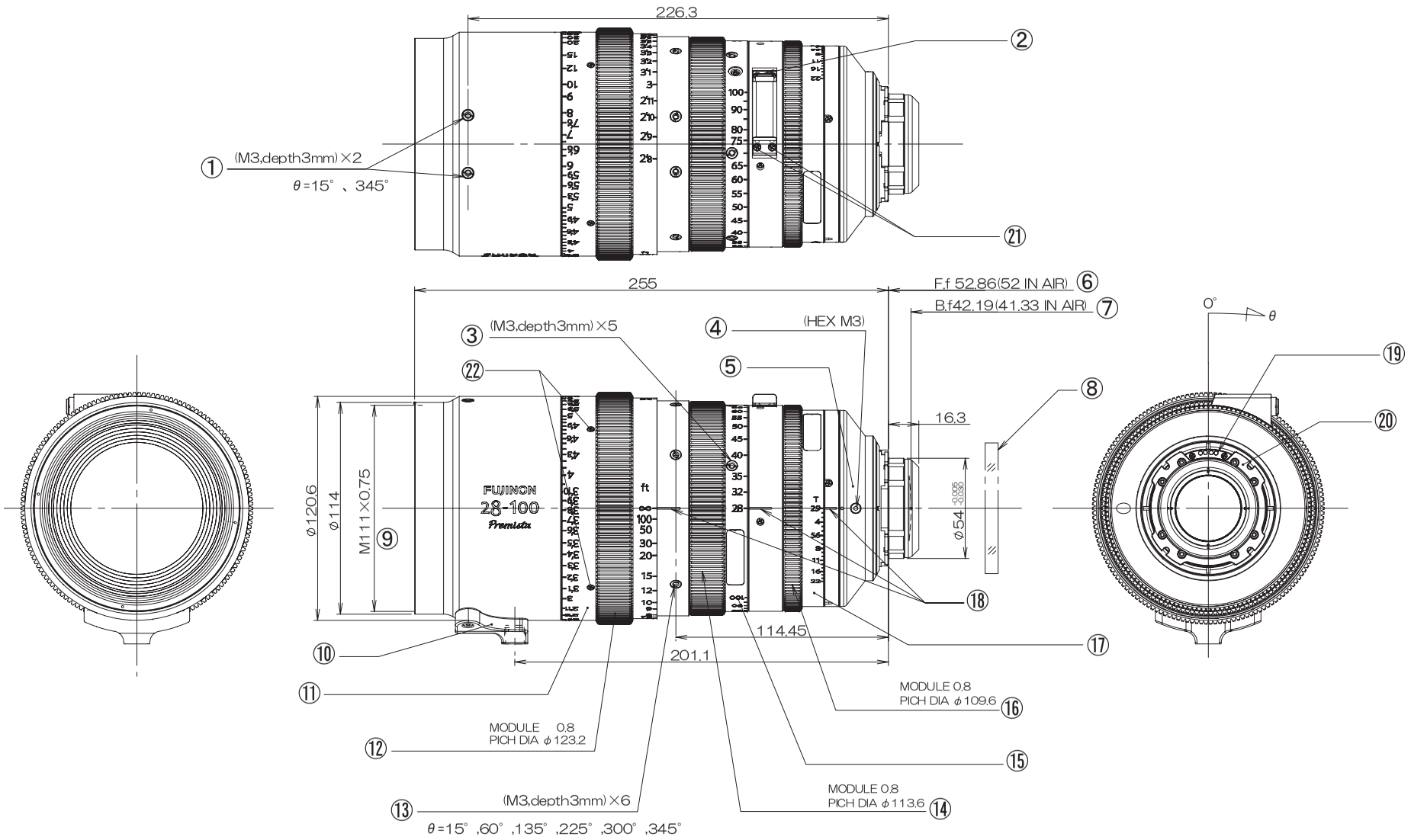


Fig.1 Premista28-100mmT2.9 F/M

(UNLESS OTHERWISE SPECIFIED) UNIT : mm

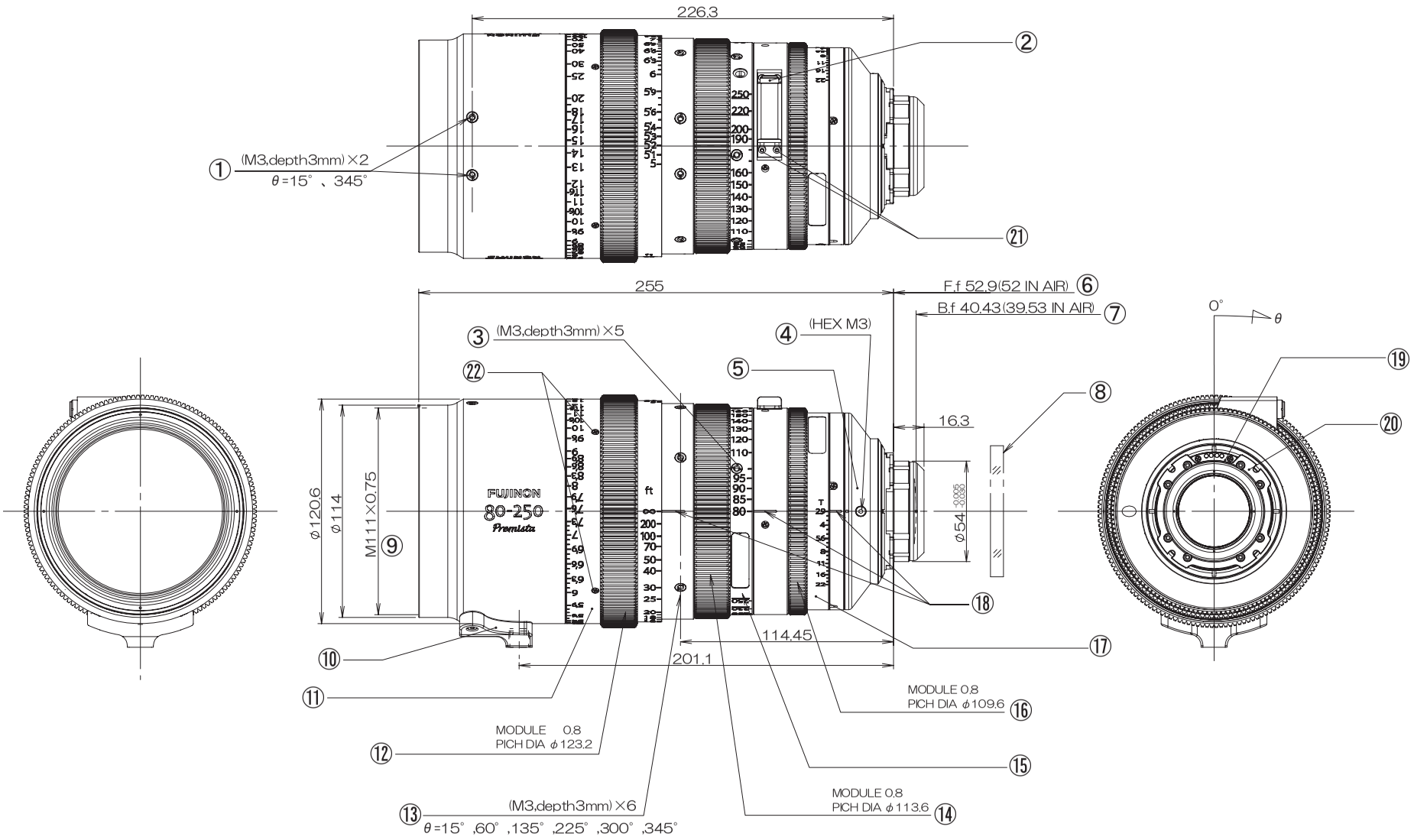
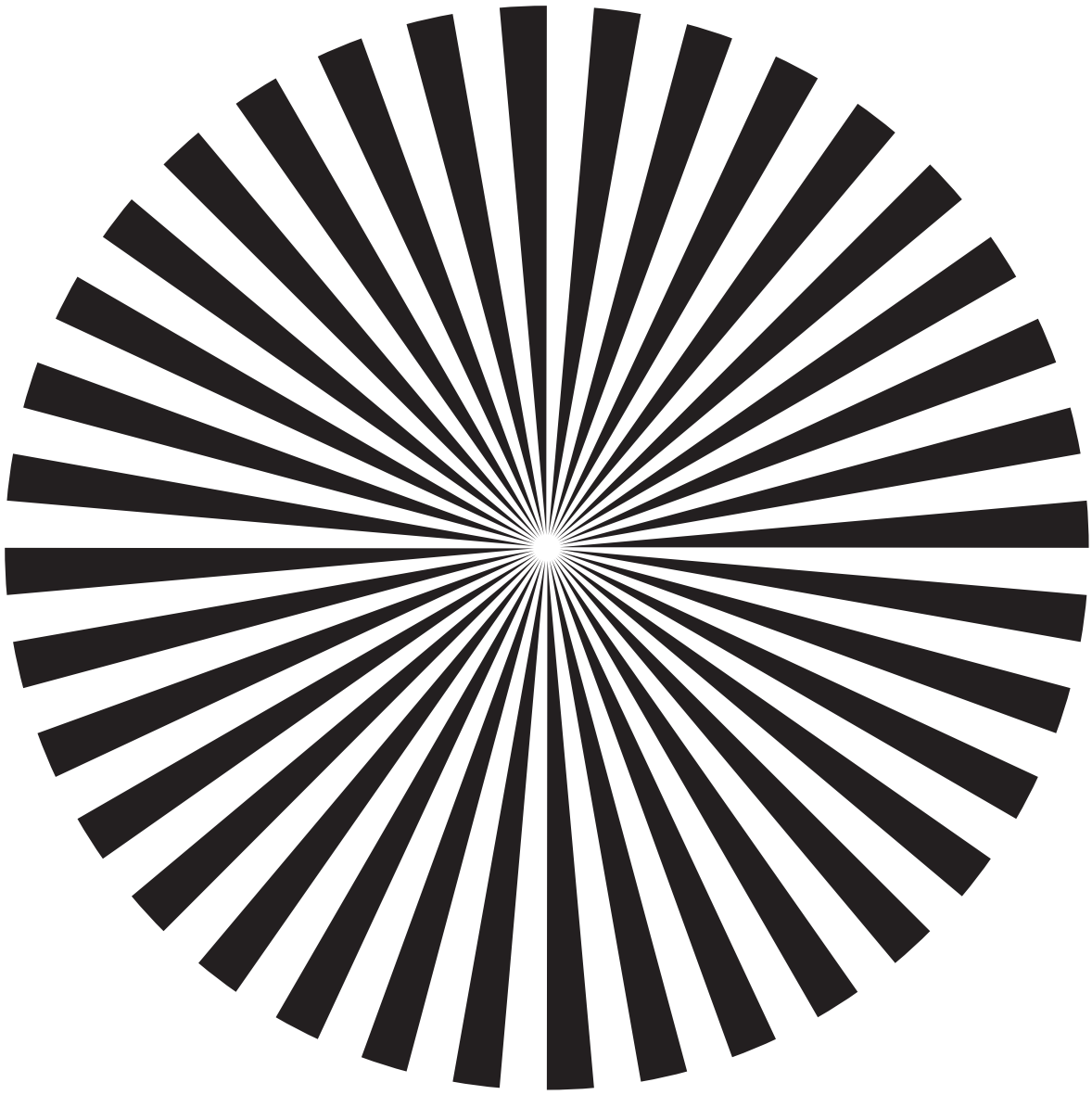


Fig.2 Premista80-250mmT2.9-3.5 F/M

切取線 CUT LINE 切开线



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