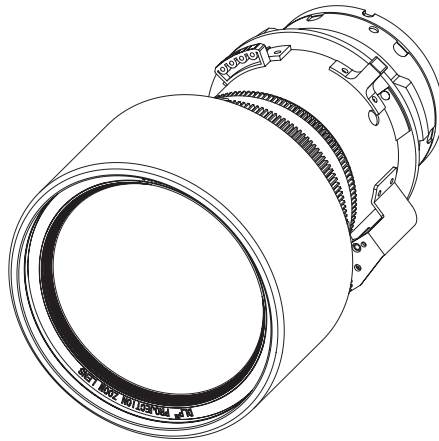




Operating Instructions

Zoom Lens **Commercial Use**

Model No. **ET-DLE170**



ENGLISH

FRANÇAIS

Thank you for purchasing this Panasonic product.

- To ensure correct use of this lens, please read the operating instructions supplied with the lens and the projector carefully.
- **Before using this product, be sure to read “Read this first!” (➡Page 3).**
- Please save this manual for future use.

Contents

Read this first!	3
Before Use.....	4
Attaching the Lens / Detaching the Lens	4
Before replacing the projection lens	4
Attaching the Lens.....	5
Detaching the Lens	6
Projection relationships.....	7
Adjustment range by the lens position shift (optical shift)	9
Specifications	11
Dimensions	11
Dimensional relationship.....	Appendix

WARNING:

Do not look at or place your skin into the light emitted from the lens while the projector is being used.

Doing so can cause burns or loss of sight.

- Strong light is emitted from the projector's lens. Do not look at or place your hands directly into this light.
- In addition, turn off the power and switch off the main power when you are away from the projector.

Do not project an image with the lens cover attached.

- Doing so can cause fire.

CAUTION:

Before replacing the projection lens, be sure to turn off the power and disconnect the power plug from the wall outlet.

- Unexpected projection of light may cause injury to eyes.
- Replacing the projection lens without removing the power plug may result in electric shock.

Do not stand in front of the lens while the projector is being used.

Doing so can cause damage and burns to clothing.

- Strong light is emitted from the projector's lens.

Do not place objects in front of the lens while the projector is being used.

Doing so can cause fire, damage to an object, or malfunction of the projector.

- Strong light is emitted from the projector's lens.

Do not open the desiccant bag. Do not eat the contents.

Inadvertently ingesting desiccant could be harmful.

- If the desiccant gets into your eyes or mouth, immediately rinse with plenty of water and seek medical attention.
- Keep desiccant out of the reach of children.

Before Use

■ Supported projectors

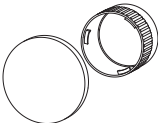
PT-RZ970 / PT-RW930 / PT-RX110 / PT-RZ770 / PT-RW730 / PT-RZ660 / PT-RW620 /
PT-RZ670 / PT-RW630 / PT-DZ870 / PT-DW830 / PT-DX100 / PT-DZ780 / PT-DW750 / PT-DX820

Note

- This manual omits the alphabets at the end of projector model numbers.
- Models other than the above may also be supported. Refer to the operating instructions of the projector you are using.

■ Supplied Accessories

Make sure that the following has been provided.

Part name	Appearance (quantity)
Lens cover	 (The product is delivered with a lens cap attached.) 1 each

Attaching the Lens / Detaching the Lens

Before replacing the projection lens

Return the projection lens to the home position before replacing or removing it.
For details on how to return the lens to the home position, refer to the operating instructions of the projector.

Attention

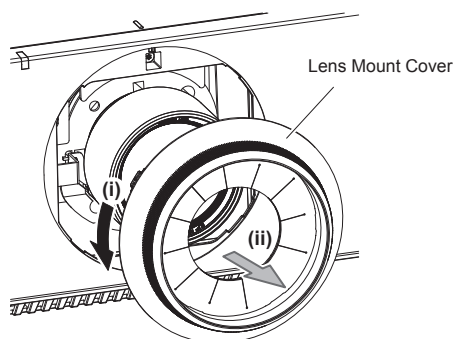
- Make sure that the projector power supply is switched off before attaching or detaching the projection lens.
- After removing the projection lens, store it safely away from vibration or impacts.
- Do not touch the electric contact points of the projection lens with your fingers. Dust and dirt on the contacts may cause contact malfunctions.
- Do not touch the surface of the lens with bare hands. Finger prints and dirt on the surface of the lens will be magnified by the lens and lower the quality of the projected image. Place the supplied lens cover on the zoom lens when the projector is not in use.
- The lens is made of glass. The lens could be damaged if brought into contact with or rubbed against hard objects. Handle the lens carefully.
- Use a clean, soft and dry cloth to wipe away dust and dirt from the lens.
Do not use fluffy cloths containing oil, water or dust for cleaning. The material in the lens is easily damaged, so do not apply excessive pressure when wiping it.

Attaching the Lens / Detaching the Lens (continued)

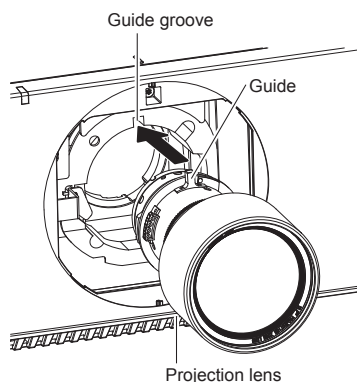
Attaching the Lens

Attention

- Before attaching the Projection Lens, remove the lens hole cover (only lens options models) and the two lens covers attached to the Projection Lens.

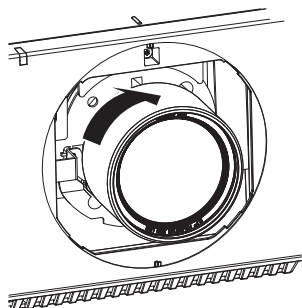


- 1) **Remove the Lens Mount Cover, and align the projection lens guide to the guide groove of the projector and insert to the end.**

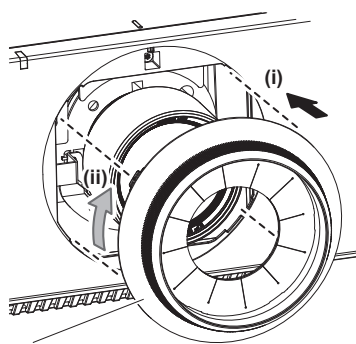


- 2) **Turn the projection lens clockwise until it clicks.**

- Turn the projection lens counterclockwise to confirm that it does not come out.



Attaching the Lens / Detaching the Lens (continued)

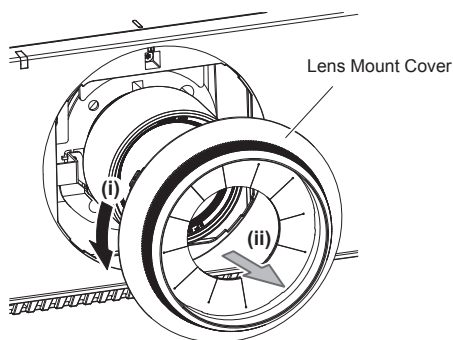


Lens Mount Cover

3) Attach the Lens Mount Cover.

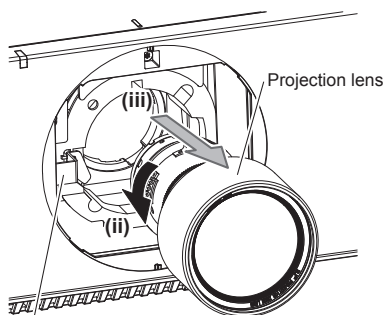
- Align the Lens Mount Cover and the projector at the dashed line positions in the figure to attach, and turn the Lens Mount Cover clockwise to fix it to the projector.

Detaching the Lens



Lens Mount Cover

1) Turn the Lens Mount Cover counterclockwise and remove.



(i) Lens release button

2) While pressing the lens release button, turn the projection lens counterclockwise to the end and remove.

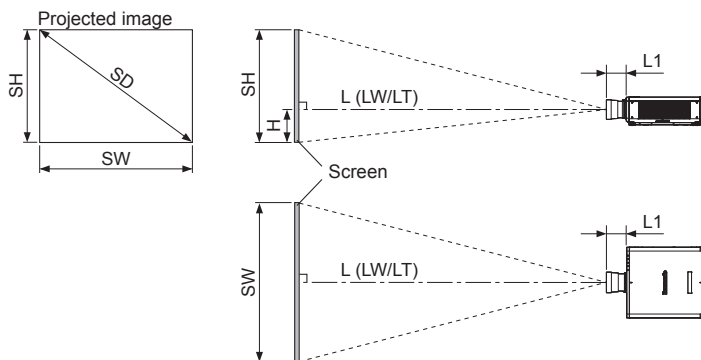
Attention

- Store the removed projection lens where it will be free from vibration and impact.

Projection relationships

The dimensional relationship between the screen and the projector is shown below.

■ Dimensional relationship diagram



(Unit: m)

Projection lens Model No.	Dimension for L1 (approximate value)
PT-RZ970 / PT-RW930 / PT-RX110 / PT-RZ770 / PT-RW730 / PT-RZ660 / PT-RW620 / PT-RZ670 / PT-RW630 / PT-DZ870 / PT-DW830 / PT-DX100	0.043
PT-DZ780 / PT-DW750 / PT-DX820	0.023

Note

- This diagram assumes that the size and position of the projected image will be adjusted so that the image fills the entire screen.
- This illustration is not drawn to scale.

L		Projection distance
	LW	Minimum distance
	LT	Maximum distance
L1		Lens protrusion dimension
SH		Image height
H		Distance from the lens center to the lower edge of the projected image
SW		Image width
SD		Projected image size

Note

- The illustrations of projectors in this manual are for informational purposes only and do not represent a specific projector model. Configurations may vary with the model.

Attention

- To prevent blocking of the intake and exhaust vents, maintain clearances from walls and objects of at least 1 000 mm (3'3") for the exhaust vent and at least 500 mm (1'8") for the intake vent.
- Avoid setting up in places which are subject to sudden temperature changes, such as near an air conditioner or lighting equipment (studio lamps, etc.).

Projection relationships (continued)

■ Dimensional relationship

For details on the projection distance (L), refer to “Projected image size and Projection distance” and “Projection distance formulas” in the Appendix.

Note

- For details on “Projected image size and Projection distance” for projector models other than the following, refer to “Setting up” in the operating instructions of the projector.

PT-RZ970 / PT-RW930 / PT-RX110 / PT-RZ770 / PT-RW730 / PT-RZ660 / PT-RW620 / PT-RZ670 / PT-RW630 / PT-DZ870 / PT-DW830 / PT-DX100 / PT-DZ780 / PT-DW750 / PT-DX820

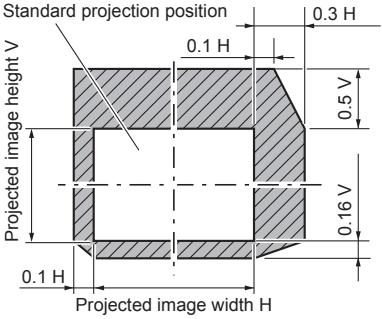
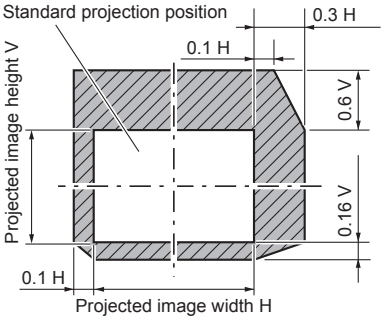
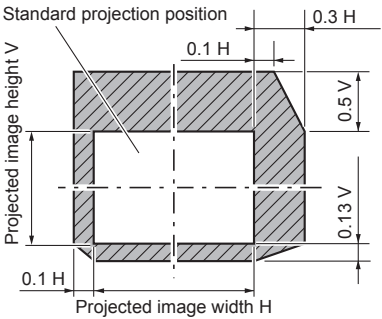
Adjustment range by the lens position shift (optical shift)

Perform the lens position shift within the adjustment range.

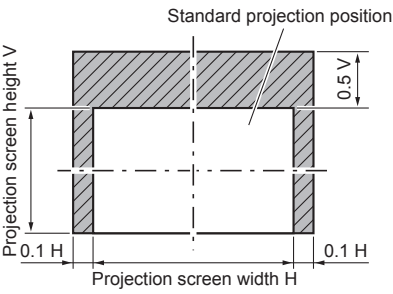
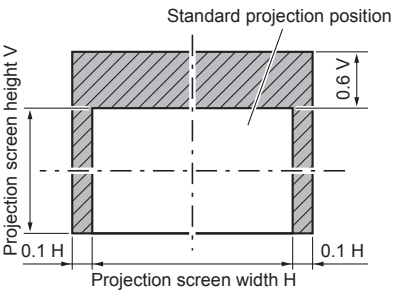
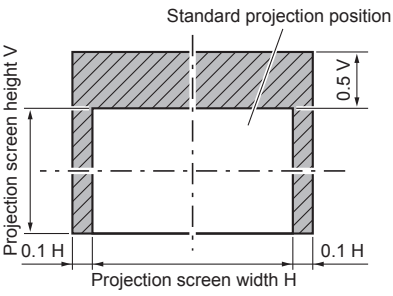
The focus may change when the lens position is shifted out of the adjustment range.

This is because the movement of the lens is restricted to protect the optical parts.

Projection position can be adjusted with the optical axis shift based on the home position in the respective range.

PT-RZ970 / PT-RZ670 / PT-DZ780	 Standard projection position Projected image height V Projected image width H 0.1 H 0.3 H 0.1 H 0.5 V 0.16 V
PT-RW930 / PT-RW630 / PT-DW750	 Standard projection position Projected image height V Projected image width H 0.1 H 0.3 H 0.1 H 0.6 V 0.16 V
PT-RX110 / PT-DX820	 Standard projection position Projected image height V Projected image width H 0.1 H 0.3 H 0.1 H 0.5 V 0.13 V

Adjustment range by the lens position shift (optical shift) (continued)

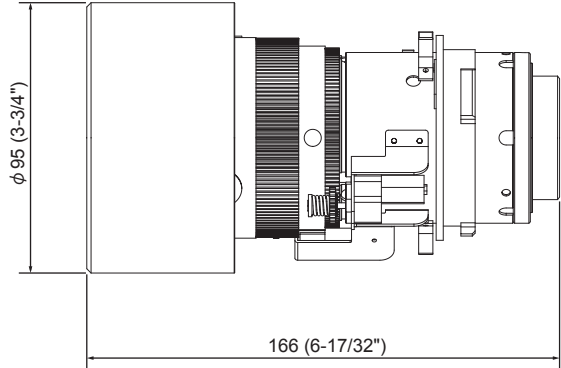
PT-DZ870	 Standard projection position Projection screen height V Projection screen width H $0.1 H$ $0.5 V$
PT-DW830	 Standard projection position Projection screen height V Projection screen width H $0.1 H$ $0.6 V$
PT-DX100	 Standard projection position Projection screen height V Projection screen width H $0.1 H$ $0.5 V$

Specifications

F value	1.7 - 1.9
Focal Length (f)	25.6 mm (1") - 35.7 mm (1-13/32")
Dimensions	Width 95 mm (3-3/4") Height 95 mm (3-3/4") Depth 166 mm (6-17/32")
Net Weight	Approx. 0.9 kg (2 lb)

Dimensions

(Unit: mm)



Information for users in the European Union

Importer's name and address within the European Union
Panasonic Marketing Europe GmbH
Panasonic Testing Centre
Winsbergring 15, 22525 Hamburg, Germany

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Only for European Union and countries with recycling systems



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Product Information (for Turkey only)



AEEE Yönetmeliğine Uygundur.

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Panasonic Corporation

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