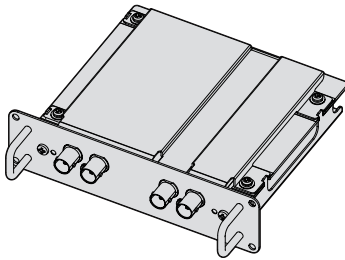


Panasonic®

Operating Instructions

Interface Board for 12G-SDI Commercial Use

Model No. **ET-MDN12G10**



ENGLISH

Thank you for purchasing this Panasonic product.

- Before using this product, please read these “Operating Instructions” and the “Operating Instructions” of the projector carefully and save the manuals for future use.
- Before using this product, be sure to read “Read this first!” (➔ page 3).

4K
PROFESSIONAL

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Read this first!

WARNING:

Do not spill water on this product or allow this product to get wet.

Doing so may cause fire, electric shock, or malfunction due to short circuit or overheating.

- Do not place a container with liquid close to this product.
- Consult your dealer when liquid such as water is spilled on this product.

Do not place the supplied screws in a location that a child can reach.

Accidentally swallowing them can cause a physical harm.

- Seek a medical advice immediately if a child might have swallowed a screw.

Do not disassemble or modify.

Doing so may cause electric shock or fire. It may also cause a malfunction.

CAUTION:

Do not place this product in a location with excessive humidity or dust, or in a location exposed to oil smoke or steam.

Doing so may cause fire or electric shock.

Do not place this product in extremely hot location.

Doing so may deteriorate the part, or may cause fire.

- Do not install or store in a location with direct sunlight or close to the heating device, etc.

Turn off the power and disconnect the power plug from the outlet when installing or removing this product to/from the projector.

Failure to do so may cause electric shock.

Importer's name and address within the European Union

Panasonic Marketing Europe GmbH

Panasonic Testing Centre

Winsbergring 15, 22525 Hamburg, Germany

Precautions for use

This product is a 12G-SDI signal compatible interface board for use installed in a Panasonic projector.

Supported projector

PT-RQ32K series, PT-RQ13K series
(As of December 2017)

Note

- Products other than the above may also be supported. Check the Operating Instructions of your projector.
- If the main version of the firmware of the PT-RQ32K or PT-RQ13K is less than 3.00, this interface board cannot be used. Update the firmware to the latest version before use. Check the update procedure by accessing the page containing the latest information on the firmware at the Panasonic website (<https://panasonic.net/cns/projector/pass/>).

About the handling of the product

■ Do not touch the connector section of the Interface Board directly with your hands.

The component may be damaged by the static electricity. Handle this product after removing the static in your body by touching the surrounding metal, etc.

Disposal

To dispose of the product, ask your local authorities or dealer for correct methods of disposal.

Accessories

Make sure that the following accessories are provided with your product. Numbers enclosed in < > show the number of accessories.

Screw <4>
(XSB3+8FN)



Attention

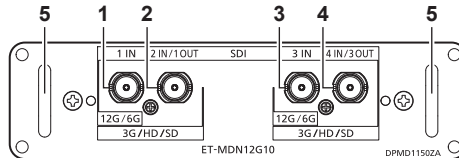
- Appropriately discard the packaging material after unpacking the product.
- For missing accessories, consult your dealer.
- Store small parts in an appropriate manner, and keep them away from small children.

Installing the Interface Board

Note

- The supplied screws are spare. Use them when a screw to fix the slot cover of the projector is lost.
- The model numbers of accessories are subject to change without prior notice.

Part names and functions



1 <SDI 1 IN> terminal

This is a terminal to input SDI signals (SD-SDI / HD-SDI / 3G-SDI / 6G-SDI / 12G-SDI).

2 <SDI 2 IN/1 OUT> terminal

This is a terminal to input SDI signals (SD-SDI / HD-SDI / 3G-SDI). It is also an active through terminal to output the SDI signals (SD-SDI / HD-SDI / 3G-SDI / 6G-SDI / 12G-SDI) input to the <SDI 1 IN> terminal.

3 <SDI 3 IN> terminal

This is a terminal to input SDI signals (SD-SDI / HD-SDI / 3G-SDI / 6G-SDI / 12G-SDI).

4 <SDI 4 IN/3 OUT> terminal

This is a terminal to input SDI signals (SD-SDI / HD-SDI / 3G-SDI). It is also an active through terminal to output the SDI signals (SD-SDI / HD-SDI / 3G-SDI / 6G-SDI / 12G-SDI) input to the <SDI 3 IN> terminal.

5 Handle

Note

- The <SDI 2 IN/1 OUT> terminal and <SDI 4 IN/3 OUT> terminal do not support the input of 6G-SDI signals and 12G-SDI signals.
- To use the <SDI 2 IN/1 OUT> terminal and <SDI 4 IN/3 OUT> terminal as output terminals, you need to change the settings of the projector. Check the Operating Instructions of your projector.

Installing the Interface Board

It is recommended to ask a qualified technician to install or remove the Interface Board to a projector. A malfunction may occur due to static electricity. Consult your dealer.

Before installing or removing the Interface Board

- Always turn off the power of the projector before installing or removing the Interface Board.
 - Make sure to follow the procedure described in the Operating Instructions of your projector when turning off the power.

Installing the Interface Board

- Do not touch the connector section of the Interface Board directly with your hands.
 - The component may be damaged by the static electricity.
- Remove the static charge from your body by touching the surrounding metal, etc., in advance to prevent the static electricity damage.
- Take care not to get injured when installing or removing the Interface Board.
 - Hands may be injured by the opening of the blank slot of the projector or the edge of the bracket of the Interface Board.
- When installing the Interface Board to the slot, insert it into the connector straight and slowly.
 - It may not operate or cause malfunction if it is not correctly installed.
- Install and use this interface board in one of the <SLOT 1> and <SLOT 2> slots. If this interface board is installed both in <SLOT 1> and in <SLOT 2>, only the one installed in <SLOT 1> can be used.

How to install the Interface Board

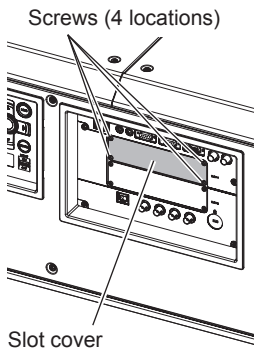


Fig. 1

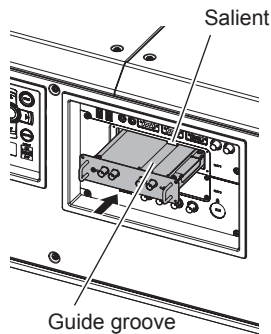


Fig. 2

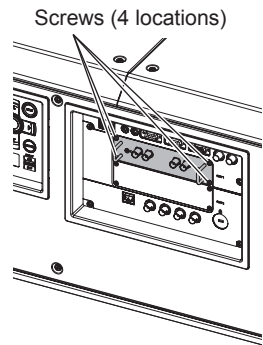


Fig. 3

1) Remove the slot cover. (Fig. 1)

- Remove the four screws fixing the slot cover of the projector by rotating counterclockwise with a Phillips screwdriver. The removed screws are used to fix the Interface Board.
- When removing the fourth screw, hold the slot cover with your hand so it will not fall.
- To replace from other Interface Board, remove the Interface Board following the procedure in “How to remove the Interface Board” (➔ page 7).

Installing the Interface Board

2) Install the Interface Board to the projector. (Fig. 2)

- Insert the guide groove of the Interface Board aligned to the salient of the slot. Insert the bracket firmly all the way in.

3) Fix the Interface Board. (Fig. 3)

- Tighten and fix with the four screws removed in Step 1).

Attention

- The removed slot cover is required when the unnecessary Interface Board is removed. Store it so it can be attached in the future.

How to remove the Interface Board

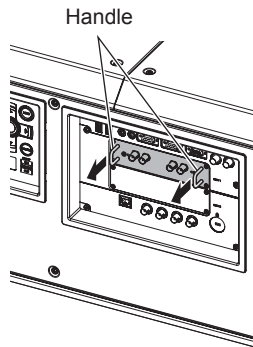


Fig. 1

1) Remove the Interface Board. (Fig. 1)

- Remove the four screws fixing the Interface Board by rotating counterclockwise with a Phillips screwdriver. The removed screws are used to fix the slot cover.
- Hold the handle of the Interface Board and remove it slowly.

2) Attach the slot cover.

- Attach the stored slot cover to the blank slot, and tighten and fix with the four screws removed in Step 1).

Attention

- Always attach the slot cover on the blank slot.
- Store the removed Interface Board inside an antistatic bag.

Specifications

Compatible slot		SLOT NX specification
Connection terminals / supported signals	Inputs	<p>BNC 4 lines (<SDI 1 IN> terminal, <SDI 2 IN/1 OUT> terminal, <SDI 3 IN> terminal, <SDI 4 IN/3 OUT> terminal) Single link SD-SDI signal, SMPTE ST 259 standard compliant Single link HD-SDI signal, SMPTE ST 292 standard compliant Single link 3G-SDI signal, SMPTE ST 424 and 425-2 standards compliant Single link 6G-SDI signal, SMPTE ST 2081-1 and 2081-10 standards compliant Supported by <SDI 1 IN> terminal and <SDI 3 IN> terminal only Single link 12G-SDI signal, SMPTE ST 2082-1 and 2082-10 standards compliant Supported by <SDI 1 IN> terminal and <SDI 3 IN> terminal only Dual link HD-SDI signal, SMPTE ST 372 standard compliant <SDI 1 IN> terminal: Link A signal / <SDI 3 IN> terminal: Link B signal Dual link 3G-SDI signal, SMPTE ST 425-3 standard compliant <SDI 1 IN> terminal: Link 1 signal / <SDI 3 IN> terminal: Link 2 signal Dual link 6G-SDI signal, SMPTE ST 2081-11 standard compliant <SDI 1 IN> terminal: Link 1 signal / <SDI 3 IN> terminal: Link 2 signal Quad link HD-SDI signal <SDI 1 IN> terminal: Link 1 signal / <SDI 2 IN/1 OUT> terminal: Link 2 signal / <SDI 3 IN> terminal: Link 3 signal / <SDI 4 IN/3 OUT> terminal: Link 4 signal Quad link 3G-SDI signal, SMPTE ST 425-5 standard compliant <SDI 1 IN> terminal: Link 1 signal / <SDI 2 IN/1 OUT> terminal: Link 2 signal / <SDI 3 IN> terminal: Link 3 signal / <SDI 4 IN/3 OUT> terminal: Link 4 signal</p>
	Outputs	<p>BNC 2 line (also functions as input terminal) (<SDI 2 IN/1 OUT> terminal, <SDI 4 IN/3 OUT> terminal) Performs active through output of the signals input to the <SDI 1 IN> terminal and <SDI 3 IN> terminal.</p>
Dimensions	Width	151 mm (5-15/16")
	Height	38.5 mm (1-17/32")
	Depth	142 mm (5-19/32")
Weight		400 g (14.1 ozs.)

Note

- “SLOT NX” is a name of the slot unique to Panasonic supporting the signal input for the 4K image.
- The video signal that can actually display will vary depending on the projector that the Interface Board is installed. For details, refer to the Operating Instructions of your projector.
- When the projector is in the standby state, signals are not output from the <SDI 2 IN/1 OUT> terminal and <SDI 4 IN/3 OUT> terminal.
- To ensure images are transmitted correctly, use 5C-FB or higher (5C-FB, 7C-FB, etc.), Belden 1694A or higher, or Canare Electric L-5.5CUHD for the connection cable. Furthermore, the maximum lengths of cables that can be used are as follows. However, these maximum cable lengths are provided as a guide, and are not a guarantee of transmission distances.
 - SD-SDI signal, HD-SDI signal, and 3G-SDI signal: 150 m
 - 6G-SDI signal: 80 m (110 m if L-5.5CUHD is used.)
 - When 12G-SDI, differs depending on the setting of [Display Options] menu → [SLOT IN] → [SDI Mode] of the projector.
 - When [SDI Mode] is set to [Input], 50 m (100 m if L-5.5CUHD is used.)
 - When [SDI Mode] is set to [Output], 50 m (90 m if L-5.5CUHD is used.)
- When [Display Options] menu → [SLOT IN] → [SDI Mode] of the projector is set to [Output], attach a terminating resistor (75 Ω) to the terminal to which a device is not connected as an output destination.
- For the BNC connector of the connection cable, use one that supports the coaxial cable and types of signal to be used.

Product Information (for Turkey only)



AEEE Yönetmeliğine Uygundur.
Eski Ekipman ve Bataryaların İşlenmesi.
Sadece geri dönüşüm sistemleri olan Avrupa Birliği ve
ülkeleri için geçerlidir.

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Panasonic Corporation

Web Site : <https://panasonic.net/cns/projector/>

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