

Description

This is an input board for mounting to the applicable projector, and it allows input of two 12G-SDI optical signals systems.

* This unit does not operate as a stand-alone unit. Use it by mounting to the applicable projector (sold separately).

* It is recommended that installation and removal of the interface board for the main projector unit should be carried out by a qualified technician. Please contact the place of purchase.

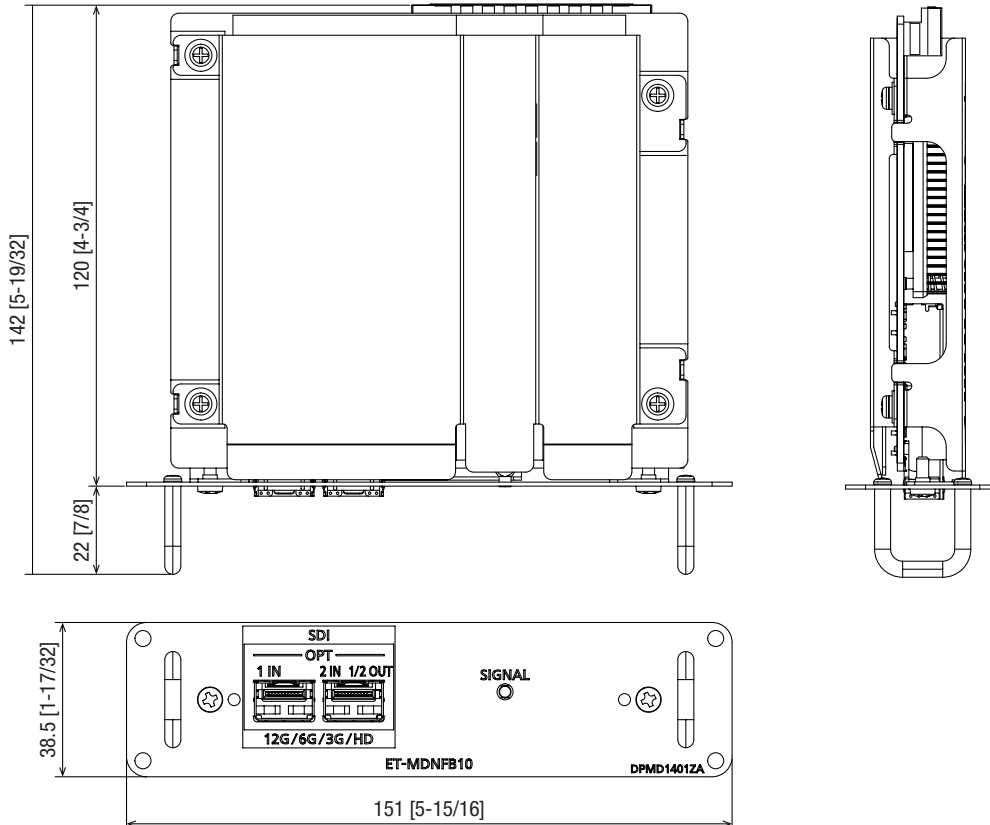
Specifications (Specifications are subject to change without notice.)

Compatible slot		SLOT NX specification
Connecting terminals		Two SFP ports MSA compliant
Compatible signal	Input	Single link HD-SDI signal SMPTE ST 292 compliant Single link 3G-SDI signal SMPTE ST 424, 425-2 compliant Single link 6G-SDI signal SMPTE ST 2081-1, 2081-10 compliant Single link 12G-SDI signal SMPTE ST 2082-1, 2082-10 compliant
	Output	The signal input to the <SDI OPT 1 IN> terminal or the <SDI OPT 2 IN> terminal is output from the <SDI OPT 1/2 OUT> terminal (active through output).
Dimensions	Width	151 mm (5-15/16")
	Height	38.5 mm (1-17/32")
	Depth	142 mm (5-19/32")
Weight		360 g (12.7 ozs.)
Applicable projector		PT-RQ22K PT-RQ50K , PT-RCQ10, PT-RCQ80 : Scheduled to be compatible in March 2020)

Note

- "SLOT NX" is a name of the slot unique to Panasonic supporting the signal input for the 4K image.
- For the video signals supported by this Interface Board, refer to "List of compatible signals".
The video signal that the projector can actually display differs depending on the SFP module installed in the SFP port.
- Prepare the commercially available SFP module and the optical fiber cable required for connection according to the usage, video signal to be input, specification of the external device to be connected, etc.

Dimensions



NOTE: This illustration is not drawn to scale.

unit : mm [inch]

List of compatible signals

The following table describes the video signals supported by this Interface Board.

This Interface Board supports only the single link SDI signal. The dual link SDI signal and the quad link SDI signals are not supported. Also, the image may not display correctly depending on the specification of the SFP module in use. Install the SFP module appropriate for the video signal to be input.

- The content of the 4K division column is as follows.

-IL: Interleave (transmission format of 2-Sample Interleave Division)

Signal name (SIGNAL FORMAT)	Resolution (Dots)	Scanning freq.		Dot clock freq. (MHz)	4K division	Format	Color format	Sampling
		Horizontal (kHz)	Vertical (Hz)					
720/60p	1 280 x 720	45.0	60.0*1	74.3	-	HD-SDI	YPbPr	4:2:2 10bit
720/50p	1 280 x 720	37.5	50.0	74.3	-	HD-SDI	YPbPr	4:2:2 10bit
1080/60i	1 920 x 1 080i	33.8	60.0*1	74.3	-	HD-SDI	YPbPr	4:2:2 10bit
	1 920 x 1 080i	33.8	60.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1 920 x 1 080i	33.8	60.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1 920 x 1 080i	33.8	60.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1 920 x 1 080i	33.8	60.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/50i	1 920 x 1 080i	28.1	50.0	74.3	-	HD-SDI	YPbPr	4:2:2 10bit
	1 920 x 1 080i	28.1	50.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1 920 x 1 080i	28.1	50.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1 920 x 1 080i	28.1	50.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1 920 x 1 080i	28.1	50.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/24p	1 920 x 1 080	27.0	24.0*1	74.3	-	HD-SDI	YPbPr	4:2:2 10bit
	1 920 x 1 080	27.0	24.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1 920 x 1 080	27.0	24.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1 920 x 1 080	27.0	24.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1 920 x 1 080	27.0	24.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/24sF	1 920 x 1 080i	27.0	48.0*1	74.3	-	HD-SDI	YPbPr	4:2:2 10bit
	1 920 x 1 080i	27.0	48.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1 920 x 1 080i	27.0	48.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1 920 x 1 080i	27.0	48.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1 920 x 1 080i	27.0	48.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/25p	1 920 x 1 080	28.1	25.0	74.3	-	HD-SDI	YPbPr	4:2:2 10bit
	1 920 x 1 080	28.1	25.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1 920 x 1 080	28.1	25.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1 920 x 1 080	28.1	25.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1 920 x 1 080	28.1	25.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/30p	1 920 x 1 080	33.8	30.0*1	74.3	-	HD-SDI	YPbPr	4:2:2 10bit
	1 920 x 1 080	33.8	30.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1 920 x 1 080	33.8	30.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1 920 x 1 080	33.8	30.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1 920 x 1 080	33.8	30.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/60p	1 920 x 1 080	67.5	60.0*1	148.5	-	3G-SDI Level-A	YPbPr	4:2:2 10bit
	1 920 x 1 080	67.5	60.0*1	148.5	-	3G-SDI Level-B	YPbPr	4:2:2 10bit
	1 920 x 1 080	67.5	60.0*1	148.5	-	6G-SDI Type 1	YPbPr	4:4:4 10bit
	1 920 x 1 080	67.5	60.0*1	148.5	-	6G-SDI Type 1	YPbPr	4:4:4 12bit
	1 920 x 1 080	67.5	60.0*1	148.5	-	6G-SDI Type 1	RGB	4:4:4 10bit
	1 920 x 1 080	67.5	60.0*1	148.5	-	6G-SDI Type 1	RGB	4:4:4 12bit
1080/50p	1 920 x 1 080	56.3	50.0	148.5	-	3G-SDI Level-A	YPbPr	4:2:2 10bit
	1 920 x 1 080	56.3	50.0	148.5	-	3G-SDI Level-B	YPbPr	4:2:2 10bit
	1 920 x 1 080	56.3	50.0	148.5	-	6G-SDI Type 1	YPbPr	4:4:4 10bit
	1 920 x 1 080	56.3	50.0	148.5	-	6G-SDI Type 1	YPbPr	4:4:4 12bit
	1 920 x 1 080	56.3	50.0	148.5	-	6G-SDI Type 1	RGB	4:4:4 10bit
	1 920 x 1 080	56.3	50.0	148.5	-	6G-SDI Type 1	RGB	4:4:4 12bit
2K/24p	2 048 x 1 080	27.0	24.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	2 048 x 1 080	27.0	24.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	2 048 x 1 080	27.0	24.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	2 048 x 1 080	27.0	24.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
2K/25p	2 048 x 1 080	28.1	25.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	2 048 x 1 080	28.1	25.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	2 048 x 1 080	28.1	25.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	2 048 x 1 080	28.1	25.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
2K/30p	2 048 x 1 080	33.8	30.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	2 048 x 1 080	33.8	30.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	2 048 x 1 080	33.8	30.0*1	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	2 048 x 1 080	33.8	30.0*1	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit

Signal name (SIGNAL FORMAT)	Resolution (Dots)	Scanning freq.		Dot clock freq. (MHz)	4K division	Format	Color format	Sampling
		Horizontal (kHz)	Vertical (Hz)					
2K/48p	2 048 x 1 080	54.0	48.0*1	148.5	-	3G-SDI Level-A	YpPr	4:2:2 10bit
	2 048 x 1 080	54.0	48.0*1	148.5	-	3G-SDI Level-B	YpPr	4:2:2 10bit
2K/60p	2 048 x 1 080	67.5	60.0*1	148.5	-	3G-SDI Level-A	YpPr	4:2:2 10bit
	2 048 x 1 080	67.5	60.0*1	148.5	-	3G-SDI Level-B	YpPr	4:2:2 10bit
	2 048 x 1 080	67.5	60.0*1	148.5	-	6G-SDI Type 1	YpPr	4:4:4 10bit
	2 048 x 1 080	67.5	60.0*1	148.5	-	6G-SDI Type 1	YpPr	4:4:4 12bit
	2 048 x 1 080	67.5	60.0*1	148.5	-	6G-SDI Type 1	RGB	4:4:4 10bit
	2 048 x 1 080	67.5	60.0*1	148.5	-	6G-SDI Type 1	RGB	4:4:4 12bit
2K/50p	2 048 x 1 080	56.3	50.0	148.5	-	3G-SDI Level-A	YpPr	4:2:2 10bit
	2 048 x 1 080	56.3	50.0	148.5	-	3G-SDI Level-B	YpPr	4:2:2 10bit
	2 048 x 1 080	56.3	50.0	148.5	-	6G-SDI Type 1	YpPr	4:4:4 10bit
	2 048 x 1 080	56.3	50.0	148.5	-	6G-SDI Type 1	YpPr	4:4:4 12bit
	2 048 x 1 080	56.3	50.0	148.5	-	6G-SDI Type 1	RGB	4:4:4 10bit
	2 048 x 1 080	56.3	50.0	148.5	-	6G-SDI Type 1	RGB	4:4:4 12bit
3840 x 2160/24p	3 840 x 2 160	54.0	24.0*1	297.0	IL	6G-SDI Type 2	YpPr	4:2:2 10bit
	3 840 x 2 160	54.0	24.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:2:2 12bit
	3 840 x 2 160	54.0	24.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 10bit
	3 840 x 2 160	54.0	24.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 12bit
	3 840 x 2 160	54.0	24.0*1	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	3 840 x 2 160	54.0	24.0*1	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
3840 x 2160/25p	3 840 x 2 160	56.3	25.0	297.0	IL	6G-SDI Type 2	YpPr	4:2:2 10bit
	3 840 x 2 160	56.3	25.0	297.0	IL	12G-SDI Type 1	YpPr	4:2:2 12bit
	3 840 x 2 160	56.3	25.0	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 10bit
	3 840 x 2 160	56.3	25.0	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 12bit
	3 840 x 2 160	56.3	25.0	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	3 840 x 2 160	56.3	25.0	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
3840 x 2160/30p	3 840 x 2 160	67.5	30.0*1	297.0	IL	6G-SDI Type 2	YpPr	4:2:2 10bit
	3 840 x 2 160	67.5	30.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:2:2 12bit
	3 840 x 2 160	67.5	30.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 10bit
	3 840 x 2 160	67.5	30.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 12bit
	3 840 x 2 160	67.5	30.0*1	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	3 840 x 2 160	67.5	30.0*1	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
3840 x 2160/60p	3 840 x 2 160	135.0	60.0*1	594.0	IL	12G-SDI Type 1	YpPr	4:2:2 10bit
3840 x 2160/50p	3 840 x 2 160	112.5	50.0	594.0	IL	12G-SDI Type 1	YpPr	4:2:2 10bit
4096 x 2160/24p	4 096 x 2 160	54.0	24.0*1	297.0	IL	6G-SDI Type 2	YpPr	4:2:2 10bit
	4 096 x 2 160	54.0	24.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:2:2 12bit
	4 096 x 2 160	54.0	24.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 10bit
	4 096 x 2 160	54.0	24.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 12bit
	4 096 x 2 160	54.0	24.0*1	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	4 096 x 2 160	54.0	24.0*1	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
4096 x 2160/25p	4 096 x 2 160	56.3	25.0	297.0	IL	6G-SDI Type 2	YpPr	4:2:2 10bit
	4 096 x 2 160	56.3	25.0	297.0	IL	12G-SDI Type 1	YpPr	4:2:2 12bit
	4 096 x 2 160	56.3	25.0	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 10bit
	4 096 x 2 160	56.3	25.0	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 12bit
	4 096 x 2 160	56.3	25.0	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	4 096 x 2 160	56.3	25.0	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
4096 x 2160/30p	4 096 x 2 160	67.5	30.0*1	297.0	IL	6G-SDI Type 2	YpPr	4:2:2 10bit
	4 096 x 2 160	67.5	30.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:2:2 12bit
	4 096 x 2 160	67.5	30.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 10bit
	4 096 x 2 160	67.5	30.0*1	297.0	IL	12G-SDI Type 1	YpPr	4:4:4 12bit
	4 096 x 2 160	67.5	30.0*1	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	4 096 x 2 160	67.5	30.0*1	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
4096 x 2160/60p	4 096 x 2 160	135.0	60.0*1	594.0	IL	12G-SDI Type 1	YpPr	4:2:2 10bit
4096 x 2160/50p	4 096 x 2 160	112.5	50.0	594.0	IL	12G-SDI Type 1	YpPr	4:2:2 10bit

*1 The signal with 1/1.001x vertical scanning frequency is also supported.