

■Product summary

- Compatible SD, HD, 2K, 4K video signals
- Provides simultaneous video and audio signal transmission (up to 16 channels) using a single cable
- Support 4K transmission mode of both Square division and 2 sample interleave division.
- Applicable for SLOT NX compatible model (LQ70 series and future models)
Can not be mounted to displays compatible with SLOT 2.0.
LQ series (TH-**LQ**)

■Product specification (Design and specification subject to change without notice)

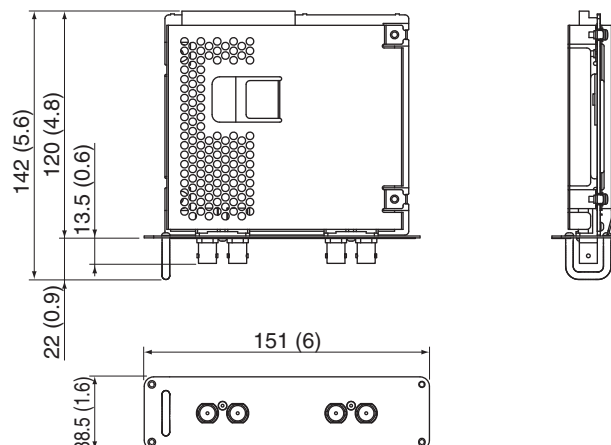
Slot Compatibility		
SLOT NX model	Slot 1, Slot 2	
INPUT		
3G-SDI IN	BNC × 2: 0.8 Vp-p (75 Ω)	
3G-SDI OUT	BNC × 2: Active through	
Standards compliance		
VIDEO	(3G) SMPTE 424M/425M-1, (DL) SMPTE 372M, (HD) SMPTE 274M/296M, (SD) SMPTE 259M / ITU-R BT 656-4	
AUDIO	(3G, HD) SMPTE 299M, (SD) SMPTE 272M	
Compatible video format		
refer to the correspondence table	4K	4096/60p, 50p, 3840/60p, 50p* *Requires 2 boards 4096/30p, 25p, 24p, 3840/30p, 25p, 24p
	2K	2048/30p, 25p, 24p
	HD	1080/60p, 50p, 30p, 25p, 24p, 1080/60i, 50i, 720/60p, 50p
	SD	525/59.94i, 625/50i
Compatible audio format		
	3G-SDI	48 kHz, 20/24 bit, 16CH, Synchronized video
	HD-SDI	48 kHz, 20/24 bit, 8CH, Synchronized video
	SD-SDI	48 kHz, 20/24 bit, 4CH, Synchronized video
Dimensions (W × D × H)	151 × 142 × 38.5 mm (6" × 5.6" × 1.6")	
Weight	approx. 340 g (0.7 lbs.)	
Carton size (W × D × H)	234 × 195 × 60 mm (9.3" × 7.7" × 2.4")	
Gross weight	approx. 590 g (1.3 lbs.)	
Included Accessories	Terminal function label × 1, Screw × 4, Operating Instruction × 1	

Recommended cable		
	3G, HD	75 Ω coaxial cable 5C-FB
	SD	75 Ω coaxial cable 5C-2V
Max. Transmission Distance		
	3G, HD	100 m
	SD	200 m

■Dimensions

Cautions: This drawing is not to scale.

Units : mm (inches)



Video/Audio signals supported by this terminal board

Single, Dual and Quad on the Interface mean as follows.

Single: Independent input for SDI1 or SDI2 of SLOT1, or SDI3 or SDI4 of SLOT2

Dual: Input combining SDI1 with SDI2 of SLOT1, or combining SDI3 with SDI4 of SLOT2

Quad: Input combining all SDI1 and SDI2 of SLOT1, and SDI3 and SDI4 of SLOT2

■ Supported SDI input signal format chart

Interface (Single / Dual / Quad)	Format	4K division (SQUARE / INTERLEAVE)	SDI mode (1.5G HD-SDI / 3G Level A / 3G Level B-DL / 3G Level B-DS)	Sampling structure (4:2:2 / 4:4:4)	Bit depth (8 bit / 10 bit / 12 bit)	Colour space (YCbCr / RGB / XYZ)
Single	SD (525 / 59.94i)			422	8 / 10	YCbCr
Single	SD (625 / 50i)			422	8 / 10	YCbCr
Single	1 280 x 720 / 50p		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	8 / 10	YCbCr / RGB
Single	1 280 x 720 / 60p *1		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	8 / 10	YCbCr / RGB
Single	1 920 x 1 080 / 24PsF *1		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB
Single	1 920 x 1 080 / 25PsF		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB
Single	1 920 x 1 080 / 30PsF *1		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	12	YCbCr
					10 / 12	YCbCr / RGB
Single	1 920 x 1 080 / 50i		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB
Single	1 920 x 1 080 / 60i *1		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB
Single	1 920 x 1 080 / 24p *1		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB
Single	1 920 x 1 080 / 25p		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB
Single	1 920 x 1 080 / 30p *1		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB
Single	1 920 x 1 080 / 50p		3G Level A / 3G Level B-DL	422	8 / 10	YCbCr
Single	1 920 x 1 080 / 60p *1		3G Level A / 3G Level B-DL	422	8 / 10	YCbCr
Single	2 048 x 1 080 / 24PsF *1		3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB / XYZ
Single	2 048 x 1 080 / 25PsF		3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB / XYZ
Single	2 048 x 1 080 / 30PsF *1		3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB / XYZ
Single	2 048 x 1 080 / 24p *1		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB / XYZ
Single	2 048 x 1 080 / 25p		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	444	12	YCbCr
					8 / 10 / 12	YCbCr / RGB / XYZ
Dual	1 920 x 1 080 / 24PsF *1		1.5G HD-SDI	422	12	YCbCr
				444	8 / 10 / 12	YCbCr / RGB
Dual	1 920 x 1 080 / 25PsF		1.5G HD-SDI	422	12	YCbCr
				444	8 / 10 / 12	YCbCr / RGB
Dual	1 920 x 1 080 / 30PsF *1		1.5G HD-SDI	422	12	YCbCr
				444	10 / 12	YCbCr / RGB
Dual	1 920 x 1 080 / 50i		1.5G HD-SDI	422	12	YCbCr
				444	8 / 10 / 12	YCbCr / RGB
Dual	1 920 x 1 080 / 60i *1		1.5G HD-SDI	422	12	YCbCr
				444	8 / 10 / 12	YCbCr / RGB

Interface (Single / Dual / Quad)	Format	4K division (SQUARE / INTERLEAVE)	SDI mode (1.5G HD-SDI / 3G Level A / 3G Level B-DL / 3G Level B-DS)	Sampling structure (4:2:2 / 4:4:4)	Bit depth (8 bit / 10 bit / 12 bit)	Colour space (YCbCr / RGB / XYZ)
Dual	1 920 x 1 080 / 24p *1		1.5G HD-SDI	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB
Dual	1 920 x 1 080 / 25p		1.5G HD-SDI	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB
Dual	1 920 x 1 080 / 30p *1		1.5G HD-SDI	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB
Dual	1 920 x 1 080 / 50p		1.5G HD-SDI	422	8 / 10	YCbCr
Dual	1 920 x 1 080 / 60p *1		1.5G HD-SDI	422	8 / 10	YCbCr
Dual	2 048 x 1 080 / 24PsF *1		1.5G HD-SDI	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB / XYZ
Dual	2 048 x 1 080 / 25PsF		1.5G HD-SDI	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB / XYZ
Dual	2 048 x 1 080 / 30PsF *1		1.5G HD-SDI	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB / XYZ
Dual	2 048 x 1 080 / 24p *1		1.5G HD-SDI	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB / XYZ
Dual	2 048 x 1 080 / 25p		1.5G HD-SDI	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB / XYZ
Dual	3 840 x 2 160 / 24PsF *1	SQUARE	3G Level B-DS	422	8 / 10	YCbCr
Dual	3 840 x 2 160 / 25PsF		3G Level B-DS	422	8 / 10	YCbCr
Dual	3 840 x 2 160 / 30PsF *1	SQUARE / INTERLEAVE	3G Level B-DS	422	8 / 10	YCbCr
Dual	3 840 x 2 160 / 24p *1		3G Level B-DS	422	8 / 10	YCbCr
Dual	3 840 x 2 160 / 25p		3G Level B-DS	422	8 / 10	YCbCr
Dual	3 840 x 2 160 / 30p *1		3G Level B-DS	422	8 / 10	YCbCr
Dual	4 096 x 2 160 / 24p *1		3G Level B-DS	422	8 / 10	YCbCr
Dual	4 096 x 2 160 / 25p		3G Level B-DS	422	8 / 10	YCbCr
Dual	4 096 x 2 160 / 30p *1		3G Level B-DS	422	8 / 10	YCbCr
Dual	4 096 x 2 160 / 30p *1		3G Level B-DS	422	8 / 10	YCbCr
Quad *2	3 840 x 2 160 / 24PsF *1	SQUARE	1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB
Quad *2	3 840 x 2 160 / 25PsF		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB
Quad *2	3 840 x 2 160 / 30PsF *1	SQUARE / INTERLEAVE	1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB
Quad *2	3 840 x 2 160 / 24p *1		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	422 444	12 8 / 10 / 12	YCbCr RGB
Quad *2	3 840 x 2 160 / 25p		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	422 444	12 8 / 10 / 12	YCbCr RGB
Quad *2	3 840 x 2 160 / 30p *1		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	422 444	12 8 / 10 / 12	YCbCr RGB
Quad *2	3 840 x 2 160 / 50p	SQUARE / INTERLEAVE	3G Level A / 3G Level B-DL	422	8 / 10	YCbCr
Quad *2	3 840 x 2 160 / 60p *1		3G Level A / 3G Level B-DL	422	8 / 10	YCbCr
Quad *2	4 096 x 2 160 / 24p *1		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB
				444	12	XYZ
Quad *2	4 096 x 2 160 / 25p		1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB
				444	12	XYZ
Quad *2	4 096 x 2 160 / 30p *1	SQUARE / INTERLEAVE	1.5G HD-SDI	422	8 / 10	YCbCr
			3G Level A / 3G Level B-DL	422 444	12 8 / 10 / 12	YCbCr YCbCr / RGB
				444	12	XYZ
Quad *2	4 096 x 2 160 / 50p		3G Level A / 3G Level B-DL	422	8 / 10	YCbCr
Quad *2	4 096 x 2 160 / 60p *1		3G Level A / 3G Level B-DL	422	8 / 10	YCbCr

*1: 1/1.001 is also supported.

*2: 2 units of this terminal board are required.