

4. Specifications

Inputs	5 video lines SDI 4 signal lines: SDI IN 1 to SDI IN 4 DVI-D 1 signal line: DVI IN	
Outputs	3 video lines, 4 outputs SDI 2 signal lines: SDI OUT 1, SDI OUT 2 (Only the SDI OUT 1 signals are split into two) DVI-D 1 signal line: DVI OUT	
Signal formats	SD	480/59.94i, 576/50i
	HD	1080/59.94i, 1080/50i, 720/59.94p, 720/50p, 1080/24PsF, 1080/23.98PsF
Signal processing	Y:Cb:Cr 4:2:2, 10 bit (8 bits for frame memory) RGB 4:4:4, 8 bit	
ME number	1ME	
SDI inputs	HD: Serial digital component (SMPTE 292M) SD: Serial digital component (SMPTE 259M)	
	4 signal lines: SDI IN 1 to SDI IN 4	
	HD: SMPTE 292M (BTA S-004B) standard complied with <ul style="list-style-type: none"> • 0.8 V [p-p] $\pm 10\%$ (75 Ω) • Input return loss More than 15 dB (5 MHz to 1.5 GHz) • Automatic equalizer 100 m (328 ft.) (when 5C-FB cable is used) 	
	SD: SMPTE 259M standard complied with <ul style="list-style-type: none"> • 0.8 V [p-p] $\pm 10\%$ (75 Ω) • Input return loss More than 15 dB (5 MHz to 270 MHz) • Automatic equalizer 200 m (656 ft.) (when 5C-2V cable is used) 	
DVI-D input	Digital RGB (Vertical frequency: 60 Hz): XGA (1024 \times 768), WXGA (1280 \times 768), SXGA (1280 \times 1024), WSXGA+ (1680 \times 1050), UXGA (1600 \times 1200), WUXGA (1920 \times 1200) Digital RGB: 1080/50p, 1080/59.94p <ul style="list-style-type: none"> • Analog input signals are not supported. 	

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SDI outputs	HD: Serial digital component (SMPTE 292M) SD: Serial digital component (SMPTE 259M)
	2 signal lines: SDI OUT 1, SDI OUT 2 (Only the SDI OUT 1 signals are split into two)
	HD: SMPTE 292M (BTA S-004B) standard complied with <ul style="list-style-type: none"> • Output return loss More than 15 dB (5 MHz to 1.5 GHz) • Output level 0.8 V [p-p] ±10 % (75 Ω) • Rise time Less than 270 ps • Fall time Less than 270 ps • Difference between rise time and fall time Less than 100 ps • Alignment jitter Less than 0.2 UI (130 ps) • Timing jitter Less than 1.0 UI • Eye aperture ratio More than 90 % • DC offset 0 ±0.5 V
	SD: SMPTE 259M standard complied with <ul style="list-style-type: none"> • Output return loss More than 15 dB (5 MHz to 270 MHz) • Output level 0.8 V [p-p] ±10 % (75 Ω) • Rise time Less than 1.5 ns • Fall time Less than 1.5 ns • Difference between rise time and fall time Less than 0.5 ns • Jitter Less than 0.2 UI
DVI-D output	Digital RGB (Vertical frequency: 60 Hz): XGA (1024 × 768), WXGA (1280 × 768), SXGA (1280 × 1024), WSXGA+ (1680 × 1050), UXGA (1600 × 1200), WUXGA (1920 × 1200) Digital RGB: 1080/50p, 1080/59.94p <ul style="list-style-type: none"> • High-resolution multi view mode supported: Signals are also output with a high resolution even when SD has been selected as the system mode. <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> When the high-resolution multi view mode is enabled, MV is assigned to the DVI OUT connector, and MV cannot be assigned to the SDI OUT 1 connectors or SDI OUT 2 connector. </div> <ul style="list-style-type: none"> • Analog output signals are not supported.
Video delay time	1 frame (F) <ul style="list-style-type: none"> • Video signals that have passed through the PinP, multi view display, DVI-D input or DVI-D output will be delayed in each case by up to one frame.

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Control I/O	LAN (RJ-45) 10BASE-T/100BASE-TX (For IP control)	Connecting cable: LAN cable (category 5 or above), max. 100 m [328 ft.], STP (Shielded Twisted Pair) cable recommended <ul style="list-style-type: none"> When connecting to a hub (switching hub), use a straight cable. Use a crossover cable when connecting the unit and another device on a 1:1 basis without going through a hub.
	TALLY/GPI (D-sub 15-pin, female, inch thread)	INPUT : 5 inputs, photocoupler sensing OUTPUT : 7 outputs, open collector output (negative logic)
Other	SERVICE switch [SV/NM] (for maintenance purposes) Normally, this switch is used as the "NM" position.	

Ambient operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Humidity	10 % to 90 % (no condensation)
Power requirements	DC 12 V \pm 10 % (AC adapter provided)
Current consumption	2.0 A (DC 12 V)
Dimensions (W × H × D)	210 × 67 × 177 mm (8-1/4" × 2-5/8" × 6-15/16") [excluding protrusions]
Mass	1.4 kg (3.08 lbs.)

■ Supplied AC adapter

Rated input: AC 100 V to 240 V, 1.3 A, 47 Hz to 63 Hz

Rated output: DC 12 V, 3.5 A, 42 W

**The provided power cable is for 125 V AC or less.
Use it within AC 100 V to 120 V.**

- The AC adapter and power cable provided must be used without fail.

Mass and dimensions shown are approximate.
Specifications are subject to change without notice.