

12G-SDI Signal Generator



VG-886



All 12G / 6G / 3G / HD / SD-SDI formats, with Max. 8K resolution, reference Input / Output supported.

Features

- Supports 12G / 6G / 3G / HD / SD-SDI signals
- Implement REF IN × 1, REF OUT × 2
- Payload can be inserted in SDI signal
- Audio can be superimposed
- Timecode packets can be superimposed
- External control by LAN or RS-232C.
- Timings and patterns are fixed.

Pattern

- Color bar
- Raster (W / R / G / B / Gray)
- Check field (Pathological)
- H Ramp, V Ramp
- Crosshatch
- Multi Burst



Supported formats

8K4K	7680 x 4320	12G-SDI Quad/Dual Link		60p, 59.94p, 50p,	30p, 29.97p, 25p, 24p, 23.98p	
		6G-SDI Quad Link			30p, 29.97p, 25p, 24p, 23.98p	
4K2K	4096 x 2160	12G-SDI Quad/Dual/Single Link	120p, 119.88p, 100p, 96p, 95.90p,	60p, 59.94p, 50p, 48p, 47.95p,	30p, 29.97p, 25p, 24p, 23.98p	
		6G-SDI Quad/Dual/Single Link	120p, 119.88p, 100p, 96p, 95.90p,	60p, 59.94p, 50p, 48p, 47.95p,	30p, 29.97p, 25p, 24p, 23.98p	
		3G-SDI Quad/Dual Link		60p, 59.94p, 50p, 48p, 47.95p,	30p, 29.97p, 25p, 24p, 23.98p	
		HD-SDI Quad Link			30p, 29.97p, 25p, 24p, 23.98p	
	3840 x 2160	12G-SDI Quad/Dual/Single Link	120p, 119.88p, 100p, 96p, 95.90p,	60p, 59.94p, 50p,	30p, 29.97p, 25p, 24p, 23.98p	
		6G-SDI Quad/Dual/Single Link	120p, 119.88p, 100p, 96p, 95.90p,	60p, 59.94p, 50p,	30p, 29.97p, 25p, 24p, 23.98p	
		3G-SDI Quad/Dual Link		60p, 59.94p, 50p,	30p, 29.97p, 25p, 24p, 23.98p	
		HD-SDI Quad Link			30p, 29.97p, 25p, 24p, 23.98p	
2K/HD	2048 x 1080	6G-SDI Single Link		60p, 59.94p, 50p, 48p, 47.95p		
		3G-SDI Dual/Single Link		60p, 59.94p, 50p, 48p, 47.95p		
		HD-SDI Dual Link			30p, 29.97p, 25p, 24p, 23.98p,	60i, 59.94i
	1920 x 1080	6G-SDI Single Link		60p, 59.94p, 50p	30p, 29.97p, 25p, 24p, 23.98p,	60i, 59.94i, 50i
		3G-SDI Dual/Single Link		60p, 59.94p, 50p,	30p, 29.97p, 25p, 24p, 23.98p,	
		HD-SDI Dual/Single Link		60p, 59.94p, 50p,	30p, 29.97p, 25p, 24p, 23.98p	
	1280 x 720	3G-SDI Single Link		60p, 59.94p, 50p,	30p, 29.97p, 25p, 24p, 23.98p	
		HD-SDI Single Link		60p, 59.94p, 50p,	30p, 29.97p, 25p, 24p, 23.98p	
	720 x 525	SD-SDI Single Link				625/50i
		SD-SDI Single Link				525/59.94i
	720 x 480	SD-SDI Single Link				
		SD-SDI Single Link				

Specifications

VIDEO	Number of output terminals	4 ch
	SD-SDI	SMPTE 259M
	HD-SDI	SMPTE 274M, 296M, 372M, 428.1M
	3G-SDI	SMPTE 425M, 428.1M
	6G-SDI	SMPTE 2081-0
	12G-SDI	SMPTE 2082-0
	Gradation	10, 12 bits ^{*1}
AUDIO	Number of channels	16 ch multiplex
	Sampling frequency	48 kHz
	Resolution	24 bits
	frequency	20 Hz – 24 kHz
		Can be set in units of 20 Hz
	Audio source	Internal audio: sin wave
PAYLOAD	Standard	SMPTE 352M compliant
	Insertion code	Normal insertion
TIMECODE	Standards	Conforming to RP188
	Time code	Free time code
		Drop frame can be selected at frequency of 1/1.001.
REF	Number of output terminals	2 ch
	Number of synchronous inputs	1 ch
	Sync signal output	3CS, BB ^{*2}

* 1 Gradation selection changes according to the selected format.

* 2 Only supports 59.94/60 Hz.

External control

LAN	10/100 BASE-T
RS-232C	Supported

* USB for maintenance

General Specifications

Power Requirements	DC 12V
Power Consumption	20 W (MAX)
Operating Temperature Range	5 to 40 °C
Operating Humidity Range	20 to 85% RH (No Condensation)
Dimensions	210 (W) x 44 (H) x 310 (D) mm (1U Half, Excluding Protrusions)
Weight	Approx. 2 kg

Front / Rear

