SONY

BKM-250TG

3G/HD/SD-SDI Input Adaptor

Overview

The BKM-250TG 3G-SDI interface board is compliant with the SMPTE 425 standard and requires only one single SDI cable to transmit up to 10-bit 4:2:2 1080P/60P video signals. This optional 3G-SDI interface offers a simple cabling solution for groups of video equipment rack-mounted behind an editing room.

Specifications

Input	
SDI Input	BNC (x2) Input impedance: 75 ohms unbalanced Sampling frequency 3G-SDI: Y/Cb/Cr (4:2:2) 148.5 MHz/74.25 MHz/74.25 MHz Y/Cb/Cr (4:4:4) 148.5 MHz/148.5 MHz/148.5 MHz G/B/R 148.5 MHz/148.5 MHz/148.5 MHz HD-SDI: Y/Cb/Cr 74.25 MHz/37.125 MHz/37.125 MHz SD-SDI: Y/Cb/Cr:13.5 MHz/6.75 MHz/6.75 MHz Quantization 3G-SDI: 10 bits/sample, 12 bits/sample HD-SDI: 10 bits/sample SD-SDI: 10 bits/sample

Output	
SDI Output	BNC (x2) (monitor output) *1 Output signal amplitude: 800 mVp-p ±10% Output impedance: 75 ohms unbalanced Transmission distance 3G-SDI: 70 m (approx.230 ft) max. *2 HD-SDI: 100 m (approx.328 ft) max. *2 SD-SDI: 200 m (approx.656 ft) max. *3

Timecode Display	
Available Standard	SMPTE-12M-2

Timecode Type	VITC, LTC

Audio Level Meter Display

Channel	CH1 to CH8 or CH9 to CH16
Level	-60 dB to -0.01dB
Color	-0.01 dB to 0 dB: Red -1.25 dB to -0.01 dB: Orange -20 dB to 1.25 dB: Yellow -60 dB to -20 dB: Green

General

Voltage	+3.3 V, +5 V DC (supplied from the main unit)
Power Consumption	Approx. 4.0 W
Operating Temperature	0°C to 35°C (Recommended: 20°C to 30°C) 32°F to 95°F (Recommended: 68°F to 86°F)
Operating Humidity	0% to 90% (no condensation)
Storage/Transport Temperature	-20°C to +60°C -4°F to +140°F
Storage/Transport Humidity	0% to 90%
Operating/Storage/Transport Pressure	700 hPa to 1060 hPa
Dimensions (W x H x D) *4	100 x 20 x 162 mm 4 x 13/16 x 6 1/2 inches
Mass	Approx. 270 g Approx. 9.5 oz
Supplied Accessories	Operating Instructions (1)

Notes

Note	*[1] The signal from the monitor output *[2] When using 5C-FB coaxial cables (Fujikura or equivalent). *[3] When using 5C-2V coaxial cables (Fujikura or equivalent). *[4] The values for dimensions are approximate.

Gallery