

BKM-250TGM

3G/HD/SD-SDI Input Adaptor



Overview

Input adaptor for LMD-3251MT, LMD-3251TC, LMD-2451MT, LMD-2451TC, LMD-2451MD, LMD-2451MC, PVM-2551MD, PVM-2551MC, LMD-1951MD, LMD-1951MC.

This 3G-SDI interface board for LMD-3251MT, LMD-3251TC, LMD-2451MT, LMD-2451TC, LMD-2451MD, LMD-2451MC, PVM-2551MD, PVM-2551MC, LMD-1951MD, LMD-1951MC medical monitors is compliant with the SMPTE 425 standard. It requires only a single SDI cable to transmit up to 10-bit 4:2:2 1080P/60P video signals.

Specifications

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

SDI Input	<p>G/B/R 148.5 MHz/148.5 MHz/148.5 MHz</p> <p>HD-SDI: Y/Cb/Cr 74.25 MHz/37.125 MHz/37.125 MHz</p> <p>SD-SDI: Y/Cb/Cr:13.5 MHz/6.75 MHz/6.75 MHz</p> <p>Quantization 3G-SDI: 10 bits/sample, 12 bits/sample HD-SDI: 10 bits/sample SD-SDI: 10 bits/sample</p>
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Output impedance:	75-ohms unbalanced
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Output

SDI Output	<p>BNC (x1) (monitor output) *1</p> <p>Output signal amplitude: 800 mVp-p $\pm 10\%$</p> <p>Output impedance: 75 ohms unbalanced</p> <p>Transmission distance HD-SDI: 100 m (approx.328 ft) max. *2 SD-SDI: 200 m (approx.656 ft) max. *3</p>
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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)
*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

