

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

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 impedance: 75-ohms unbalanced

Output

SDI Output

BNC (x1) (monitor output) *1
Output signal amplitude: 800 mVp-
p \pm 10%
Output impedance: 75 ohms
unbalanced
Transmission distance
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
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Timecode Type	VITC, LTC
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Audio Level Meter Display

Channel	CH1 to CH8 or CH9 to CH16
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Level	-60 dB to -0.01dB
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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)
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Power Consumption	Approx. 4.0 W
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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

