

## BKM-243HSM

HDSDI/4:2:2 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, and LMD-1951MC medical monitors.**

This HD-SDI and SDI Input Adaptor provides video input and output connectors for the main monitors unit, as well as a decoder for HD/D1 serial digital component signals. There's a decoder for serial digital component signals, plus serial digital input and output signal connectors.

### Specifications

#### Input

#### SDI Input

BNC (x2)

Input impedance: 75 ohms  
unbalanced

Sampling frequency

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  
 HD-SDI: 10 bits/sample  
 SD-SDI: 10 bits/sample

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Output impedance: 75-ohms unbalanced

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## 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

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## General

Voltage +3.3 V, +5 V DC (supplied from the main unit)

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Power Consumption Approx. 2.0 W

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0°C to 35°C  
 (Recommended: 20°C to 30°C)

Operating Temperature	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. 250 g Approx. 8.8 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).

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\*4

The values for dimensions are approximate.

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## Gallery

