

## 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<br/>148.5 MHz/148.5 MHz/148.5 MHz</p> <p>HD-SDI:<br/>Y/Cb/Cr 74.25 MHz/37.125<br/>MHz/37.125 MHz</p> <p>SD-SDI:<br/>Y/Cb/Cr:13.5 MHz/6.75 MHz/6.75<br/>MHz</p> <p>Quantization<br/>3G-SDI: 10 bits/sample, 12<br/>bits/sample<br/>HD-SDI: 10 bits/sample<br/>SD-SDI: 10 bits/sample</p> |
|-----------|--|

---

|                   |                    |
|-------------------|--------------------|
| Output impedance: | 75-ohms unbalanced |
|-------------------|--------------------|

---

## Output

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

## 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<br>(Recommended: 20°C to 30°C)  |
|                       | 32°F to 95°F<br>(Recommended: 68°F to 86°F) |

|                                      |   |
|--------------------------------------|---|
| Operating Humidity                   | 0% to 90% (no condensation)                               |
| Storage/Transport Temperature        | -20°C to +60°C<br>-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<br>4 x 13/16 x 6 1/2 inches             |
| Mass                                 | Approx. 270 g<br>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

