### 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

#### Inpu

| SDI Input | BNC (x2)<br>Input impedance: 75 ohms<br>unbalanced<br>Sampling frequency<br>3G-SDI:<br>Y/Cb/Cr (4:2:2)<br>148.5 MHz/74.25 MHz/74.25 MHz<br>Y/Cb/Cr (4:4:4)<br>148.5 MHz/148.5 MHz/148.5 MHz<br>G/B/R<br>148.5 MHz/148.5 MHz/148.5 MHz |
|-----------|---|
|           |   |

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

#### Timecode Display

| Available Standard | SMPTE-12M-2                  |
|--------------------|------------------------------|
| Timecode Type      | VITC, LTC                    |
|                    |                              |
| Audio Level Meter  |                              |
| 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      |
|                    |                              |

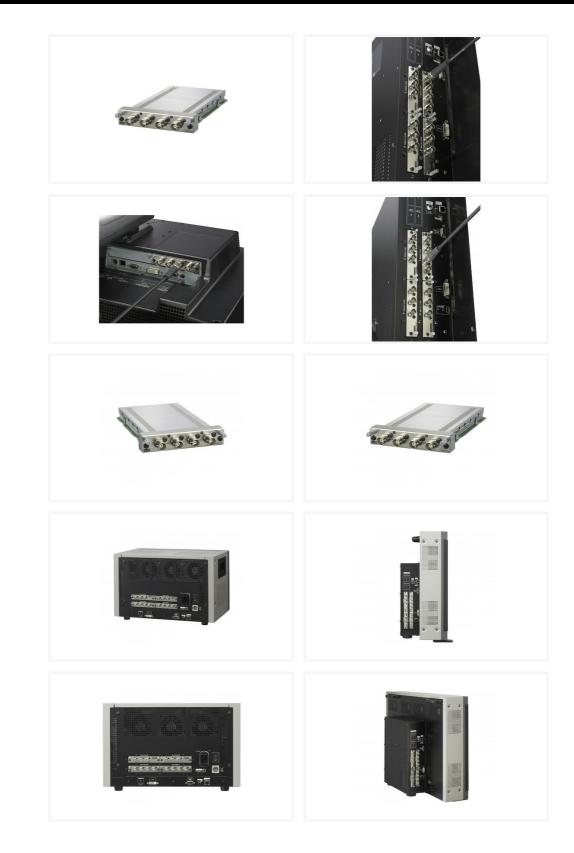
| General               |   |
|-----------------------|---|
| Voltage               | +3.3 V, +5 V DC (supplied from the main unit)   |
| Power Consumption     | Approx. 4.0 W   |
| Operating Temperature | 0°C to 35°C<br>(Recommended: 20°C to<br>30°C)<br>32°F to 95°F<br>(Recommended: 68°F to<br>86°F) |
| Operating Humidity    | 0% to 90% (no<br>condensation)  |



| Storage/Transport<br>Temperature        | -20°C to +60°C<br>-4°F to +140°F              |
|---|---|
| Storage/Transport Humidity              | 0% to 90%                                     |
| Operating/Storage/Transport<br>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)                    |

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

### Gallery





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