

BKM-244CC

HD/SDI Closed Caption Adaptor



Overview

BKM-244CC is a video signal input adaptor for Sony professional monitors, incorporating an SDI decoder, an SDI output, and a closed caption decoders for both SD-SDI and HD-SDI EIA standards.

- Decoder for serial digital component signals
- Serial digital input and output signal connector
- Closed caption decoders for EIA 608 and 708 standards

Specifications

Input

	BNC (x2)
	Input impedance: 75 ohms unbalanced
	Sampling frequency
	HD-SDI:
	Y/Cb/Cr 74.25 MHz/37.125 MHz/37.125 MHz
SDI Input	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

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

Closed Caption Decode

Applicable Signals

SD-SDI: 480/59.94i
 HD-SDI: 1080/60i *4 *5, 720/60p *5

Applicable Standards

SD-SDI: EIA/CEA-608(VBI),
 EIA/CEA-608(ANC)
 HD-SDI: EIA/CEA-608(708),
 EIA/CEA-708

Applicable

Decode channel: CC1 to CC4,

Specifications
(EIA/CEA-608)

TEXT1 to TEXT4
Character: Standard Character,
Special Character

Applicable
Specifications
(EIA/CEA-708)

Caption service: Service #1 to #6
Character: G0 code, G1 code
Window style, Pen style

Window Style

Justify: Only available for LEFT
Print direction: Only available for
LEFT-TO-RIGHT
Scroll direction: Only available for
BOTTOM-TO-TOP
Word wrap: Not available
Display effect: Only available for
SNAP
Fill color: Only available for BLACK
Fill opacity: Available for SOLID,
TRANSPARENT, TRANSLUCENT
Border type: Not available

Pen Style

Foreground color: Available for
white, black, red, blue, green,
yellow, cyan, magenta
Foreground opacity: Only
available for SOLID
Background color: Only available
for BLACK
Background opacity: Only
available for SOLID

Pen size: Available for LARGE,
STANDARD, SMALL
Font style: 0 (one type of font)
Offset: Only available for NORMAL
Italics: Available
Underline: Available
Edge type: Not available

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	700 hPa to 1060 hPa

Pressure

Dimensions (W x H x D) *6	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)

Notes

- Note
- *[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] Also available for frame frequency 1/1.001
 - *[5] Not available for Dual-link
 - *[6] The values for dimensions are approximate.
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Gallery

