

Input Connectors

SDI

Connector: BNC type x 1 (Combined use with SDI Out Connector)

Signal Standards: SMPTE 424M (SMPTE 425M-AB), SMPTE 292M, SMPTE 259M-C

HDMI

Connector: Type A (19 pins) x 1

Signal Standard: HDMI HDCP support (When an HDCP-applied signal is input, output from the SDI OUT connector is stopped)

RGB/Component

Connector: HD DB-15 type x 1

Signal Level: 1.0Vp-p (Y signal), 0.7Vp-p (R/G/B/Pb/Pr signals), 5VTTL (H/V signals)

Impedance: 75 ohms

Composite

Connector: BNC type x 1

Signal Level: 1.0 Vp-p (Y signal), 0.286 V-p (C signal (NTSC)), 0.3 V-p (C signal (PAL))

Impedance: 75 ohms

Analog Audio

Connector: RCA phono type x 1 pair (L/R) (Combined use with Analog Audio Out Connector)

Input Level: -6dBV

Maximum Input Level: +6dBV

Impedance: 22 k ohms

Reference

Connector: BNC type x 1

Impedance: 75 ohms

Signal Format: Black Burst, Bi-level, Tri-level

Output Connectors

SDI

Connector: BNC type x 2 (One is Combined with SDI In Connector)

Signal Standards: SMPTE 424M (SMPTE 425M-AB), SMPTE 292M, SMPTE 259M-C

HDMI

Connector: Type A (19 pins) x 1

Signal Standards: HDMI HDCP support

Analog Audio

Connector: RCA phono type x 1 pair (L/R) (Combined use with Analog Audio In Connector)

Input Level: -6dBV

Maximum Output Level: +6dBV

Impedance: 2.2 k ohms

Input Formats

SDI

Connector: BNC type x 1 (Combined use with SDI Out Connector)

Signal Standards: SMPTE 424M (SMPTE 425M-AB), SMPTE 292M, SMPTE 259M-C

Video Formats: 1920x1080/60p/59.94p/50p/30p/29.97p/25p/24p/23.98p/60i/59.94i/50i

1920x1080/30PsF/29.97PsF/25PsF/24PsF/23.98PsF (Conforms to SMPTE 274M)

1280x720/60p/59.94p/50p/30p/29.97p/25p/24p/23.98p (Conforms to SMPTE 296M)

720x480/59.94i, 720x576/50i (Conforms to ITU-R BT.601-5)

Color Format: 10 bits YCC 4:2:2

Audio Format: Linear PCM, 24 bits, 48 kHz, 16 ch (Conforms to SMPTE 299M, SMPTE 272M-C)

*When frame synchronizer is engaged, CH 3-8 of HDMI and CH 3-16 of SDI audio output are not available.

HDMI

Video Formats: 1920x1080/60p/59.94p/50p/30p/29.97p/25p/24p/23.98p/60i/59.94i/50i

1280x720/60p/59.94p/50p/30p/29.97p/25p/24p/23.98p

720x480/59.94p/59.94i, 720x576/50p/50i (Conforms to CEA-861-E)

PC Formats: 640x480/60/72/75/85Hz, 800x600/56/60/72/75/85Hz, 1024x768/60/70/75/85Hz,

1280x768/60/75/85Hz, 1360x768/60Hz, 1152x864/75Hz, 1400x900/60/75/85Hz, 1280x960/60/85Hz, 1280x1024/60/75/85Hz, 1400x1050/60/75Hz, 1680x1050/60Hz, 1600x1200/60Hz, 1920x1200/60Hz
Reduced blanking (Conforms to VESA DMT Version 1.0 Revision 11)
Color Format: 10 bits YCC 4:2:2, 8 bits YCC 4:4:4, 8 bits RGB 4:4:4
Audio Format: Linear PCM, 24 bits, 48 kHz, 8 ch

RGB/Component

Video Formats: 1920x1080/60p/59.94p/50p/60i/59.94i/50i/24PsF/23.98PsF (Conforms to SMPTE 274M)
1280x720/60p/59.94p/50p (Conforms to SMPTE 296M)
720x480/59.94p/59.94i, 720x576/50p/50i
PC Formats: 640x480/60/72/75/85Hz, 800x600/56/60/72/75/85Hz, 1024x768/60/70/75/85Hz,
1280x720/60Hz, 1280x768/60/75/85Hz, 1360x768/60Hz, 1152x864/75Hz, 1400x900/60/75/85Hz,
1280x960/60/85Hz, 1280x1024/60/75/85Hz, 1400x1050/60/75Hz, 1680x1050/60Hz, 1600x1200/60Hz,
1920x1080/60Hz, 1920x1200/60Hz Reduced blanking (Conforms to VESA DMT Version 1.0 Revision 11)

Composite

Video Formats: NTSC, PAL

Processing

Audio Embed/De-embed

2ch

Frame Synchronizer

Frame sync is activated when a reference signal is detected. When frame synchronizer is engaged, CH 3-8 of HDMI and CH 3-16 of SDI audio output are not available.

Resolution Conversion

Selectable Full/LetterBox/Crop/Dot-by-Dot Type

Frame Rate Conversion

Frame Skip/Repeat Type

Others

USB

USB Type B (Hi-Speed USB) x 1

Power Supply

DC 9 V (AC Adaptor)

Operation Temperature

+0--+40 degrees Celsius +41--+104 degrees Fahrenheit

Accessories

AC adaptor Power Cord Rubber Foot x 4 Owner's Manual

Size and Weight

Width

150 mm

5-15/16 inches

Depth

130 mm

5-1/8 inches

Height

30 mm

1-3/16 inches

Weight

500 g

1 lbs. 2 oz.