

Video

Processing

4:2:2 (Y/Pb/Pr), 8-bit

Input Connectors

INPUT 1-3: HDMI Type A (19 pins) x 3

* HDCP Supported

INPUT 4: HDMI Type A (19 pins) x 1

* HDCP Supported

RGB/COMPONENT (Mini D-sub 15-pin type) x 1

COMPOSITE (RCA phono type) x 1

* INPUT 4: HDMI , RGB/COMPONENT or COMPOSITE selected.

Output Connectors

MAIN OUT: HDMI Type A (19 pins) x 1

* HDCP Supported

RGB/COMPONENT (Mini D-sub 15-pin type) x 1

PREVIEW OUT: HDMI Type A (19 pins) x 1

* HDCP Supported

USB3.0: USB B type x 1

Input formats

HDMI INPUT 1-3: 720/59.94p, 720/50p (SYSTEM FORMAT: 720p)

1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p (SYSTEM FORMAT: 1080i, 1080p)

INPUT 4: HDMI, RGB/COMPONENT:

480/59.94i, 576/50i, 480/59.94p, 576/50p

720/59.94p, 720/50p, 1080/59.94i, 1080/50i

1080/59.94p, 1080/50p

VGA (640 x 480/60 Hz), SVGA (800 x 600/60 Hz), XGA (1024 x 768/60 Hz)

WXGA (1280 x 768/60 Hz), SXGA (1280 x 1024/60 Hz)

FWXGA (1366 x 768/60 Hz), SXGA+ (1400 x 1050/60 Hz)

UXGA (1600 x 1200/60 Hz) , WUXGA (1920 x 1200/60 Hz)

COMPOSITE: 480/59.94i, 576/50i

* The refresh rate is the maximum value of each resolution.

* Conforms to VESA DMT Version 1.0 Revision 11.

* 1920 x 1200/60 Hz: Reduced blanking

* The input interlaced video signal is converted to progressive video signal by internal processing.

* The video signal frame rate can be selected at the SYSTEM menu (59.94 Hz or 50 Hz).

Output formats

MAIN OUT (HDMI, RGB/COMPONENT): 480/59.94i, 576/50i, 480/59.94p, 576/50p

720/59.94p, 720/50p, 1080/59.94i, 1080/50i

1080/59.94p, 1080/50p

VGA (640 x 480/60 Hz), SVGA (800 x 600/60 Hz), XGA (1024 x 768/60 Hz)

WXGA (1280 x 768/60 Hz), SXGA (1280 x 1024/60 Hz)

FWXGA (1366 x 768/60 Hz), SXGA+ (1400 x 1050/60 Hz)

UXGA (1600 x 1200/60 Hz) , WUXGA (1920 x 1200/60 Hz)

PREVIEW OUT: 720/59.94p, 720/50p (SYSTEM FORMAT: 720p)

1080/59.94i, 1080/50i (SYSTEM FORMAT: 1080i)

1080/59.94p, 1080/50p (SYSTEM FORMAT: 1080p)

USB3.0: 720/29.97p, 720/25p (SYSTEM FORMAT: 720p)

1080/29.97p, 1080/25p (SYSTEM FORMAT: 1080i, 1080p)

* The MAIN OUTPUT format of HDMI and RGB/COMPONENT is always the same.

When an interlaced format is selected, component signal is output from the RGB/COMPONENT connector.

When a non-interlaced format is selected, RGB signal is output from the RGB/COMPONENT connector.

* The video signal frame rate can be selected at the SYSTEM menu (59.94 Hz or 50 Hz).

Video Effects

Transition: CUT, MIX (DISSOLVE/FAM/NAM/MOSAIC), WIPE (30 types)

Effects: NEGATIVE, EMBOSS, COLORIZE, COLORPASS, POSTERIZE, SILHOUETTE, MONOCOLOR, FINDEDGE (8 types)

Composition: PinP, SPLIT, QUAD, KEY (Luminance Key, Chroma Key)

Audio

Audio Processing

Sampling rate: 24 bits/48 kHz

Audio formats

HDMI: Linear PCM, 24 bits/48 kHz, 2 ch

USB: Linear PCM, 16 bits/48 kHz, 2 ch

Input Connectors

AUDIO IN 1-4 (XLR/TRS combo type, phantom power)

AUDIO IN 5-6 (RCA phono type)

AUDIO IN 7/8 (Stereo miniature type)

USB B type (stereo)

Phantom Power

DC 48 V (unloaded maximum), 10 mA (maximum load)

* Current value per channel

Output Connectors

AUDIO OUT: L, R (XLR type)

L, R (RCA phono type)

AUX OUT: L, R (RCA phono type)

USB: USB B type (stereo)

PHONES: Stereo miniature type

Signal Level and Impedance

XLR/TRS combo type

Input Signal Level : -60--+4 dBu (Maximum: +22 dBu)

Input Impedance : 10 k ohms (GAIN 0--23 dB), 5 k ohms (GAIN 24--64 dB)

RCA phono type

Input Signal Level : -10 dBu (Maximum: +8 dBu)

Input Impedance : 15 k ohms

Output Signal Level : -10 dBu (Maximum: +8 dBu)

Output Impedance : 1 k ohm

XLR type

Output Signal Level : +4 dBu (Maximum: +22 dBu)

Output Impedance : 600 ohms

Miniature type

Input Signal Level : -15 dBu (Maximum: +3 dBu)

Input Impedance : 15 k ohms

Headphones

Output Signal Level : 75 mW + 75 mW

Output Impedance : 32 ohms

Audio Effects

Auto Mixing, Echo Cancel, EQ, Delay, Compressor, HPF, Gate, Reverb, Multi-Band Compressor, Limiter

Others

Other Connectors

RS-232:

D-sub 9-pin type

Tally/GPIO:

Mini D-sub 15-pin type

USB 3.0/2.0 (device):

USB B type, USB-VIDEO (Super-Speed), USB-AUDIO 2 IN/2 OUT (Full-Speed), remote control from PC

Display

Graphic Color LCD, 320 x 240 dots, touch panel

Other Functions

MEMORY (8 types)

FREEZE (input video captured)

OUTPUT FADE (Audio, Video: WHITE or BLACK)

Power Supply

AC Adaptor

Current Draw

3 A

Power Consumption

36 W

Operation Temperature

+0 to +40 degrees Celsius

+32 to +104 degrees Fahrenheit

Dimensions

339 (W) x 217 (D) x 87 (H) mm

13-3/8 (W) x 8-9/16 (D) x 3-7/16 (H) inches

Weight (excluding AC adaptor)

2.4 kg

5 lbs 5 oz

Accessories

Owner's manual

AC adaptor

Power cord

Notes

* 0 dBu=0.775 Vrms