

Video

Video Processing

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

Input Connectors

SDI IN 1--4: BNC type x 4

* Conforms to SMPTE 424M (SMPTE 425M-AB), 292M

HDMI IN 5--6: HDMI type A x 2

* HDCP Supported

* Multi-format Supported

RGB/COMPONENT IN 6: HD DB-15 type x 1

* INPUT 6: HDMI or RGB/COMPONENT selected.

* Multi-format Supported

Output Connectors

SDI OUT 1--2: BNC type x 2

* Conforms to SMPTE 424M (SMPTE 425M-AB), 292M

HDMI OUT 1--2: HDMI type A x 2

HDMI MULTI-VIEW: HDMI type A x 1

* HDCP Supported

Input formats

SDI IN 1--4: Conforms to SMPTE 296M, SMPTE 274M

720/59.94p, 720/60p *1, *3

720/50p *1, *4

1080/59.94i, 1080/60i, 1080/59.94p, 1080/60p, 1080/29.97p, 1080/30p *2, *3

1080/50i, 1080/50p, 1080/25p *2, *4

1080/23.98p, 1080/24p *2

* 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 or 50).

HDMI IN 5:

HDMI/RGB/COMPONENT IN 6:

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

720/59.94p, 720/60p, 1080/59.94i, 1080/60i

1080/59.94p, 1080/50p

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

WXGA (1280×800/60Hz), SXGA (1280×1024/60Hz)

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

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

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

* Conforms to CEA-861-E, 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 or 50).

Still Image

Bitmap File (.bmp) Maximum 1920 x 1080 pixels, 24-bit color, uncompressed.

PNG File (.png) Maximum 1920 x 1080 pixels, 24-bit color

JPG File (.jpg) Maximum 1920 x 1080 pixels, 24-bit color

* It can be stored up to 2 files in the internal memory.

* It can be exported in the USB memory.

* PNG alpha channel not supported.

Output formats

SDI OUT 1--2: Conforms to SMPTE 296M, 274M

HDMI OUT 1--2:

720/59.94p, 720/50p (SYSTEM FORMAT = 720p)

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

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

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

HDMI MULTI-VIEW:

1080/59.94p, 1080/50p

Video Effects

Transition: CUT, MIX (DISSOLVE/FAM/NAM), WIPE (30 types) Composition: PinP (SQUARE, CIRCLE, HEART, DIAMOND), SPLIT (4 types), DSK (Luminance Key, Chroma Key)

Others: Flip horizontal, Output fade, Still Image Capture, Still Image Playback, Test pattern output

Audio

Audio Processing

Sampling rate: 24 bits/48 kHz

Audio formats

SDI IN: Linear PCM, 24 bits/48 kHz, 2ch (Conforms to SMPTE 299M)

SDI OUT: Linear PCM, 24 bits/48 kHz, 8ch (Conforms to SMPTE 299M)

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

Input Connectors

Digital: SDI IN 1--4: BNC type x 4

HDMI IN 5--6 (HDMI Type A 19 pins) x 2

Analog: AUDIO IN 1--4: Combo type (XLR, 1/4-inch TRS phone), phantom power

AUDIO IN 5--6: RCA phono type

Phantom Power

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

* Current value per channel

Output Connectors

Digital: SDI OUT 1--2: BNC type x 2

HDMI OUT 1--2: HDMI type A x 2

HDMI MULTI-VIEW: HDMI type A x 1

Analog: AUDIO OUT: XLR type

AUDIO OUT: RCA phono type

PHONES: Stereo 1/4-inch phone type

Input Level

AUDIO IN 1--4: -60--+4 dBu (Maximum: +22 dBu)

AUDIO IN 5--6: -10 dBu (Maximum: +8 dBu)

Input Impedance

AUDIO IN 1--4: 10 k ohms (HEAD AMP GAIN 0--23 dB), 5 k ohms (HEAD AMP GAIN 24--+64 dBu)

AUDIO IN 5--6: 15 k ohms

Output Level

AUDIO OUT (XLR): +4 dBu (Maximum: +22 dBu)

AUDIO OUT (RCA): -10 dBu (Maximum: +8 dBu)

PHONES: 92 mW + 92 mW (32 ohms)

Output Impedance

AUDIO OUT (XLR): 600 ohms

AUDIO OUT (RCA): 1 k ohm

PHONES: 10 ohms

Audio Effects

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

Others

Other Connectors

USB MEMORY: USB A type (for USB flash drive)
TALLY/GPI: DB-25 type (Female)(Tally: 12, GPI: 8)
RS-232: DB-9 type (Male) (for Remote Control)
CONTROL: RJ45 100BASE-TX (for Remote Control)

Other Functions

Preset Memory (8 types)
Panel lock function
EDID Emulator
Smart Tally
Auto Scan
Remote Camera Control

Display

Graphic LCD: 128 x 64 dots

Power Supply

AC Adaptor

Current Draw

3.1 A

Power Consumption

37.0 W

Operation Temperature

+0 to +40 degrees Celsius

+32 to +104 degrees Fahrenheit

Dimensions

356 (W) x 221 (D) x 96 (H) mm

14-1/16 (W) x 8-3/4 (D) x 3-13/16 (H) inches

Weight (excluding AC adaptor)

3.0 kg

6 lbs 10 oz

Accessories

Owner's Manual
AC adaptor
Power cord