

## Video

### Video Processing

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

### Input Connectors

INPUT 1--6: HDMI type A x 6

\* HDCP Supported

INPUT 7--8: HDMI type A x 2

\* HDCP Supported

\* Multi-format Supported

### Output Connectors

OUTPUT 1--3: HDMI type A x 3

\* HDCP Supported

### Supported Video Input Formats

INPUT 1-6

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.

\*1 SYSTEM FORMAT = 720p

\*2 SYSTEM FORMAT = 1080i or 1080p

\*3 FRAME RATE = 59.94, 60 Hz, 29.97 Hz, 30 Hz

\*4 FRAME RATE = 50 Hz or 25 Hz

INPUT 7-8

480/59.94i, 480/59.94p, 720/59.94p, 720/60p, 1080/59.94i, 1080/60i, 1080/59.94p, 1080/60p,

1080/29.97p, 1080/30p \*1

576/50i, 576/50p, 720/50p, 1080/50i, 1080/50p, 1080/25p \*2

1080/23.98p, 1080/24p

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

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

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

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

\* 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.

\*1 FRAME RATE = 59.94 Hz or 60 Hz

\*2 FRAME RATE = 50 Hz

### 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

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

\* It can be stored up to 8 files to the internal memory.

\* It can be exported to the USB memory.

\* PNG alpha channel supported (Exclusive with alpha bus or AUX bus)

### Supported Video Output Formats

OUTPUT 1-2:

720/59.94p \*1, \*4

720/60p \*1, \*5

720/50p \*1, \*8

1080/59.94i \*2, \*4  
1080/60i \*2, \*5  
1080/50i \*2, \*8  
1080/59.94p \*3, \*4  
1080/60p \*3, \*5  
1080/29.97p \*3, \*6  
1080/30p \*3, \*7  
1080/50p \*3, \*8  
1080/25p \*3, \*9  
1080/23.98p \*3, \*10  
1080/24p \*3, \*11

\*1 SYSTEM FORMAT = 720p  
\*2 SYSTEM FORMAT = 1080i  
\*3 SYSTEM FORMAT = 1080p  
\*4 FRAME RATE = 59.94 Hz  
\*5 FRAME RATE = 60 Hz  
\*6 FRAME RATE = 29.97 Hz  
\*7 FRAME RATE = 30 Hz  
\*8 FRAME RATE = 50 Hz  
\*9 FRAME RATE = 25 Hz  
\*10 FRAME RATE = 23.98 Hz  
\*11 FRAME RATE = 24 Hz

#### OUTPUT 3:

1080/59.94p \*1  
1080/60p \*2  
1080/29.97p \*3  
1080/30p \*4  
1080/50p \*5  
1080/25p \*6  
1080/23.98p \*7  
1080/24p \*8

\*1 FRAME RATE = 59.94 Hz  
\*2 FRAME RATE = 60 Hz  
\*3 FRAME RATE = 29.97 Hz  
\*4 FRAME RATE = 30 Hz  
\*5 FRAME RATE = 50 Hz  
\*6 FRAME RATE = 25 Hz  
\*7 FRAME RATE = 23.98 Hz  
\*8 FRAME RATE = 24 Hz

#### Video Effects

Transition: CUT, MIX (DISSOLVE/FAM/NAM), WIPE (8 types)

Composition: PinP x 2 (SQUARE, CIRCLE, DIAMOND), SPLIT (2 types), Keyer x 2 (Luminance Key, Chroma Key), DSK (Luminance Key, Chroma Key, Alpha Key \*1, External Key \*1)

Others: Flip horizontal, Flip vertical, Still Image Capture, Still Image Playback, Output fade (Audio, Video: WHITE or BLACK), Test pattern output

\*1 Exclusive with alpha bus or AUX bus

#### Audio

##### Audio Processing

Sampling rate: 24 bits/48 kHz

##### Audio formats

Linear PCM, 24 bits/48 kHz, 2ch

##### Audio Effects

Delay, High pass filter, Compressor, Noise gate, Equalizer, Multi-band compressor, Limiter, Test tone output

#### Connectors

##### Input Connectors

INPUT 1--8: HDMI Type A x 8

AUDIO IN: RCA phono type

##### Output Connectors

OUTPUT 1--3: HDMI Type A x 3

AUDIO OUT: RCA phono type

PHONES: Stereo miniature type

##### Other Connectors

USB MEMORY: USB A type (for USB flash drive)

REMOTE: USB B Type (for remote control from iPad)

CTL/EXP: 1/4-inch TRS phone type

##### Other Functions

Preset Memory (24 scenes)

Macro Control (100 types)

Sequencer Control

Panel lock function

EDID Emulator

Auto Switching

Auto Input Detect

Rec Control

##### Audio Input/Output Characteristics

##### Input Level

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

##### Input Impedance

AUDIO IN: 38 k ohms

##### Output Level

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

PHONES: 92 mW + 92 mW (32 ohms)

##### Output Impedance

AUDIO OUT: 1 k ohm

PHONES: 10 ohms

##### Other

##### Display

4.3 inches TFT Color LCD: 480 x 272 dots

##### Power Supply

AC Adaptor

##### Current Draw

3.3 A

##### Power Consumption

39.6 W

##### Dimensions

317 (W) x 193 (D) x 70 (H) mm

12-1/2 (W) x 7-5/8 (D) x 2-13/16 (H) inches

##### Weight

2.0 kg

4 lbs 7 oz

\* Excluding AC adaptor.

##### Operation Temperature

+0 to +40 degrees Celsius

+32 to +104 degrees Fahrenheit

##### Accessories

Owner's Manual  
AC adaptor  
Power cord