

## VIDEO

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### Video Processing

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

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### Input Connectors

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INPUT 1--3: HDMI type A x 3  
\*HDCP Supported

INPUT 4: HDMI type A  
\* HDCP Supported  
\* Multi-format Supported

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### Output Connectors

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OUTPUT 1--2: HDMI type A x 2  
\* HDCP Supported

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### Input Formats

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INPUT 1--3  
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 Hz

\*4 FRAME RATE = 50 Hz

#### INPUT 4

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

WXGA (1280 x 800/60 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)

\* 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

\*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

\* It can store up to 4 files in the internal memory.

\* PNG alpha channel not supported.

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## Output Formats

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OUTPUT 1--2:

720/59.94p \*1, \*4

720/50p \*1, \*5

1080/59.94i \*2, \*4

1080/50i \*2, \*5

1080/59.94p \*3, \*4

1080/50p \*3, \*5

\*1 SYSTEM FORMAT = 720p

\*2 SYSTEM FORMAT = 1080i

\*3 SYSTEM FORMAT = 1080p

\*4 FRAME RATE = 59.94 Hz

\*5 FRAME RATE = 50 Hz

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## Video Effects

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

Composition: PinP (SQUARE, CIRCLE, DIAMOND), SPLIT (2 types), Keyer (Luminance key, Chroma key), DSK (Luminance key, Chroma key)

Other: Flip horizontal, Flip vertical, Still image capture, Still image playback, Output fade (Audio, Video: WHITE or BLACK), Test pattern output

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## **AUDIO**

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### Audio Processing

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Sample rate: 24 bits/48 kHz

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### Audio formats

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Linear PCM, 24 bits/48 kHz, 2 ch

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### Input Connectors

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INPUT 1--4: HDMI Type A x 4

AUDIO IN 1--2: XLR-3-31 type (balanced, phantom power DC 48 V, 14 mA Max)

LINE IN: RCA phono type

MIC/AUX IN: Stereo miniature phone type (PLUG-IN power)

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### Output Connectors

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OUTPUT 1--3: HDMI Type A x 2

AUDIO OUT L, R: 1/4-inch TRS phone type

PHONES: Stereo miniature phone type

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### Nominal Input Level

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AUDIO IN 1--2: -60 to +4 dBu (Maximum input level: +24 dBu)

LINE IN: -10 dBu (Maximum input level: +10 dBu)

MIC/AUX IN: -51 to -10 dBu (Maximum input level: +10 dBu)

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### Input Impedance

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AUDIO IN 1--2: 10 k ohms

LINE IN: 15 k ohms

MIC/AUX IN: 10 k ohms

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### Nominal Output Level

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AUDIO OUT L, R: +4 dBu (Maximum output level: +24 dBu)

PHONES: 72 mW + 72 mW (32 ohms load)

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### Output Impedance

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AUDIO OUT L, R: 600 ohms

PHONES: 10 ohms

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### Audio Effects

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Delay, High pass filter, De-Esser, Compressor, Noise gate,  
Equalizer, Limiter, Reverb, Test tone output

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## **OTHERS**

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### Other Connectors

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

REMOTE: USB B type (for remote control)

RS-232: DB-9 type (male, for remote control)

TALLY: DB-9 type (female, for TALLY output)

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### Other Functions

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Preset memory (8 types)

Panel lock function

EDID emulator

Auto switching

Auto input detect

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### Power Supply

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AC adaptor

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### Current Draw

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2.1 A

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### Power Consumption

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25.2 W

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### Operation Temperature

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+0 to +40 degrees Celsius

+32 to +104 degrees Fahrenheit

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### Dimensions

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316 (W) x 121 (D) x 65 (H) mm

12-1/2 (W) x 4-13/16 (D) x 2-9/16 (H) inches

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### Weight (excluding AC adaptor)

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1.4 kg

3 lbs 2 oz

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## Accessories

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Startup Guide  
Leaflet "USING THE UNIT SAFELY"  
AC adaptor  
Power cord

\* 0 dBu = 0.775 Vrms

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All specifications and appearances are subject to change.