

Video

Video Processing

4:4:4 (Y/Pb/Pr), 10-bit

Input Connectors

HDMI IN 1--4 connectors: HDMI type A (HDMI 2.0)

SDI IN 5--6 connectors: BNC type (12G/3G/HD-SDI, Conforms to SMPTE 2082, 424M (Level-A, Level-B), 292M)

RGB IN 1 connector: HD DB-15 type (Analog RGB, Select HDMI IN 1 or RGB IN 1 using menu)

Output Connectors

SDI OUTPUT connector: BNC type (12G/3G-SDI, Conforms to SMPTE 2082, 424M (Level-A, Level-B))

HDMI OUT 1--3 connectors: HDMI type A (HDMI 2.0)

MULTI-VIEW connector: HDMI type A (HDMI 1.4)

Input Formats

HDMI (Video, CEA-861-F): 720/50p, 720/59.94p

HDMI (Video, CEA-861-F): 1080/50i, 1080/59.94i

HDMI (Video, CEA-861-F): 1080/50p, 1080/59.94p

HDMI (Video, CEA-861-F): 2160/50p (UHD 4K), 2160/59.94p (UHD 4K)

HDMI (Video, CEA-861-F): 2160/50p (DCI 4K), 2160/59.94p (DCI 4K)

HDMI (PC, VESA DMT): 1024 x 768/60Hz (XGA)

HDMI (PC, VESA CVT): 1280 x 768/60Hz (WXGA)

HDMI (PC, VESA DMT): 1280 x 1024/60Hz (SXGA)

HDMI (PC, VESA CVT): 1400 x 1050/60Hz (SXGA+)

HDMI (PC, VESA DMT): 1600 x 1200/60 Hz (UXGA)

HDMI (PC, CEA-861-F): 1920 x 1080/30 Hz (FHD), 1920 x 1080/60 Hz (FHD)

HDMI (PC, VESA CVT): 1920 x 1200/60 Hz (WUXGA, Reduced blanking)

HDMI (PC, CEA-861-F): 3840 x 2160/24 Hz (UHD 4K), 3840 x 2160/30 Hz (UHD 4K), 3840 x 2160/60 Hz (UHD 4K)

HDMI (PC, CEA-861-F): 4096 x 2160/24 Hz (DCI 4K), 4096 x 2160/30 Hz (DCI 4K), 4096 x 2160/60 Hz (DCI 4K)

RGB (PC, VESA DMT): 1600 x 1200/60Hz (UXGA)

RGB (PC, CEA-861-F): 1920 x 1080/60Hz (FHD)

SDI (Video, SMPTE ST274): 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p

SDI (Video, SMPTE ST2036): 2160/59.94p (UHD 4K), 2160/50p (UHD 4K)

SDI (Video, SMPTE ST2048): 2160/59.94p (DCI 4K), 2160/50p (DCI 4K)

Still Image: Windows Bitmap File (.bmp), Maximum 4096 x 2160 pixels, 24-bit per pixel, uncompressed

Still Image: PNG File (.png), Maximum 4096 x 2160 pixels (*1)

*1 Alpha channel of PNG file is not loaded.

Output Formats

HDMI (Video, CEA-861-F): 1080/50p, 1080/59.94p

HDMI (Video, CEA-861-F): 2160/50p (UHD 4K), 2160/59.94p (UHD 4K)

HDMI (Video, CEA-861-F): 2160/50p (DCI 4K), 2160/59.94p (DCI 4K)

HDMI (PC, CEA-861-F): 1920 x 1080/30Hz (FHD) (*2), 1920 x 1080/60Hz (FHD)

HDMI (PC, CEA-861-F): 3840 x 2160/30Hz (UHD 4K), 3840 x 2160/60Hz (UHD 4K)

HDMI (PC, CEA-861-F): 4096 x 2160/30Hz (DCI 4K), 4096 x 2160/60Hz (DCI 4K)

*2 Available when Down Convert of HDMI OUT 1-3 is set to "Enabled".

SDI (Video, SMPTE ST274): 1080/59.94p, 1080/50p

SDI (Video, SMPTE ST2036): 2160/59.94p (UHD 4K), 2160/50p (UHD 4K)

SDI (Video, SMPTE ST2048): 2160/59.94p (DCI 4K), 2160/50p (DCI 4K)

- * Conforms to VESA DMT, VESA CVT, CEA-861-F
- * Color Gamut: Rec.709, Rec.2020
- * Dynamic Range: SDR, HDR PQ (HDR10), HDR HLG

Video Effects

- Transition: Mix, Cut, Wipe (9 patterns)
- Composition: PinP, Key (*1), PinP + Key (*1)
- DSK: PinP, Key (*1), PinP + Key (*1)
- Others: Output Fade, Output Freeze, Output Capture
- *1 Luminance Key, Chroma Key

Audio

Audio Processing

24 bits/48 kHz

Audio formats

- SDI IN/OUT: Linear PCM, 24 bits/48 kHz, 16 ch (Conforms to SMPTE 299M)
- HDMI IN/OUT: Linear PCM, 24 bits/48 kHz, 2 ch

Input Connectors

AUDIO IN L/R connectors: XLR-3-31 type (balanced)

Output Connectors

- AUDIO OUT L/R connectors: XLR-3-32 type (balanced)
- PHONES jack: Stereo miniature phone type

Nominal Input Level

AUDIO IN L/R: +4 dBu (Maximum: +24 dBu)

Input Impedance

AUDIO IN L/R: 15 k ohms

Nominal Output Level

- AUDIO OUT L/R: +4 dBu (Maximum: +24 dBu)
- PHONES: 92 mW + 92 mW (32 ohms)

Output Impedance

- AUDIO OUT L/R: 600 ohms
- PHONES: 10 ohms

Audio Effects

- Matrix mixer
- Delay (1 ms units, max 500 ms)
- Test tone output

Others

Other Connectors

- USB MEMORY port: USB A type (for USB flash drive)
- RS-232 connector: DB-9 type (Male) (for Remote Control)
- LAN port: RJ45 type, 100BASE-TX (for Remote Control)
- TALLY/GPI port: DB-25 type (Female) (Tally: 16, GPI: 8)

* XLR type: 1 GND, 2 HOT, 3 COLD

Power Consumption

80 W

Operation Temperature

- +0 to +40 degrees Celsius
- +32 to +104 degrees Fahrenheit

Dimensions

- 482 (W) x 300 (D) x 109 (H) mm
- 19 (W) x 11-13/16 (D) x 4-5/16 (H) inches
- * When rack mount angles are fitted.

Weight (excluding AC adaptor)

- 5.3 kg
- 11 lbs 11 oz

* Including rack mount angles.

Accessories

Owner's Manual

Power cord

Rack-mount angle x 2

* 0 dBu = 0.775 Vrms

* This product is a Class A digital device under FCC part 15.