

VIDEO

Video Processing	4:2:2 (Y/Pb/Pr), 8-bit
Number of Video Channels	5 channels
Video Input Formats	HDMI IN 1-5: 720/60p, 59.94p, 50p 1080/59.94p, 1, 50, 1 1080/60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.98p 2160/60p, 2, 59.94p, 2, 50p, 2, 30p, 29.97p, 25p, 24p, 23.98p (UKSA)1600x1200/60Hz, WUXGA1920x1200/60Hz, WQHD2560x1440/60Hz *3 * Conforms to CEA-861-G, VESA CVT. * HDMI IN 5 support Roland FULL+KEY signal * Color Gamut and Dynamic Range are the same as the system format. * 1 The input interlaced video signal is converted to progressive video signal by internal processing. *2 HDMI IN 1-3 supports YUV420. *3 Reduced Blanking
Video Output Formats	HDMI OUT 1-2 1080/60p, 1, 3 1080/59.94p, 1, 4 1080/50p, 1, 5 1080/30p, 1, 6 1080/29.97p, 1, 7 1080/25p, 1, 8 1080/24p, 1, 9 1080/23.98p, 1, 10 2160/60p, 2, 3 2160/59.94p, 2, 4 2160/50p, 2, 5 2160/30p, 2, 6 2160/29.97p, 2, 7 2160/25p, 2, 8 2160/24p, 2, 9 2160/23.98p, 2, 10 *1 System Format = 1080p *2 System Format = 2160p *3 Frame Rate = 60 Hz *4 Frame Rate = 59.94 Hz *5 Frame Rate = 50 Hz *6 Frame Rate = 30 Hz *7 Frame Rate = 29.97 Hz *8 Frame Rate = 25 Hz *9 Frame Rate = 24 Hz *10 Frame Rate = 23.98 Hz HDMI OUT 3-4 1080/60p, 1, 3, 4 1080/59.94p, 1, 3, 5 1080/50p, 1, 3, 6 1080/30p, 1, 3, 7 1080/29.97p, 1, 3, 8 1080/25p, 1, 3, 9 1080/24p, 1, 3, 10 1080/23.98p, 1, 3, 11 2160/60p, 2, 4 2160/59.94p, 2, 5 2160/50p, 2, 6 2160/30p, 2, 7 2160/29.97p, 2, 8 2160/25p, 2, 9 2160/24p, 2, 10 2160/23.98p, 2, 11 *1 System Format = 1080p *2 System Format = 2160p *3 System Format = 2160p and Down-convert = ON *4 Frame Rate = 60 Hz *5 Frame Rate = 59.94 Hz *6 Frame Rate = 50 Hz *7 Frame Rate = 30 Hz *8 Frame Rate = 29.97 Hz *9 Frame Rate = 25 Hz *10 Frame Rate = 24 Hz *11 Frame Rate = 23.98 Hz * Color Gamut: Rec709, Rec2020 * Dynamic Range: SDR, HDR PQ (HDR10), HDR HLG * HDMI OUT 3-4 can be Down-convert out 1080p when system format is 2160p. * Conforms to CEA-861-G. HDMI OUT 5 (MULTI-VIEW) 1080/60p * Color Gamut: Rec709 * Dynamic Range: SDR * Conforms to CEA-861-G. USB STREAM 1080/60p, 59.94p, 50p, 30p, 29.97p, 25p 2160/60p, 59.94p, 50p, 30p, 29.97p, 25p *Supports Uncompressed Video (YUV2) and Compressed Video (Motion JPEG).
Still Image	Bitmap File (.bmp) Up to 3840 x 2160 pixels, 24-bit color, uncompressed. * It can be stored up to 2 files in the internal memory.
Video Effects	Transition: Cut, Mix (Dissolve), Wipe (B type), SPLIT (2 type) Composition: PinP x1 (Square), Keyer x1 (Luminance Key, Chroma Key), DSK (Luminance Key, Roland FULL+KEY Mode) Other: Multi-View (I type), Still Image capture, Still Image playback, Output fade (Audio, Video, Block), Text pattern output

AUDIO

Audio Processing	Sample rate: 24 bits, 48 kHz
Number of Audio Channels	14 channels
Audio Formats	USB STREAM (input/output): Linear PCM, 16 bits, 48 kHz, 2 ch HDMI IN: Linear PCM, 24 bits, 48 kHz, 2 ch HDMI OUT: Linear PCM, 24 bits, 48 kHz, 2 ch
Audio Effects	Channel Effects: High pass filter, Noise gate, Compressor, 4-Band equalizer, Delay, Auto mixing Master Effects: 4-Band equalizer, Compressor/Limiter, 15-Band GEQ, Delay Other: Output fade, Test tone output

COMMON SECTION

Other Functions	Memory (8 types) Panel lock function EDID Emulator Auto Switching Smart Tally Remote Camera Control (Up to 5 units)
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CONNECTORS

Video Input Connectors	HDMI IN 1-5: HDMI type A x 5 (HDMI2.0) * HDCP 1.4 2.2 Supported * Multi-format Supported
Video Output Connectors	HDMI OUT 1-4: HDMI type A x 4 (HDMI2.0) * HDCP 1.4 2.2 Supported HDMI OUT 5: HDMI type A x 1 (HDMI1.4) * HDCP 1.4 Supported USB STREAM: USB Type-C (R) (USB2.0 / USB3.2 Gen1)
Audio Input Connectors	Analog: AUDIO IN 1-2: XLR type Digital: USB STREAM: USB Type-C (R) HDMI IN 1-5: HDMI type A x 5
Audio Output Connectors	Analog: AUDIO OUT 1-2: RCA phono type PHONES: Stereo miniature phone type Digital: USB STREAM: USB Type-C (R) HDMI OUT 1-5: HDMI type A x 5
Other Connectors	USB HOST: USB A type (for USB flash drive) USB STREAM: USB Type-C (R) (for remote control from PC and iPad) LAN CONTROL: RJ45, 100BASE-T (for Remote Control)

AUDIO INPUT/OUTPUT CHARACTERISTICS

Input Level	AUDIO IN 1, 2: +4 dBu (Maximum: +24 dBu)
Input Impedance	AUDIO IN 1, 2: 16 k ohms
Output Level	AUDIO OUT 1, 2: -10 dBu (Maximum: +10 dBu) PHONES: 92 mW + 92 mW (32 ohms)
Output Impedance	AUDIO OUT 1, 2: 1 k ohms PHONES: 10 ohms

OTHERS

Power Supply	AC adaptor
Current Draw	4 A
Power Consumption	52 W
Operation Temperature	+0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit
Dimensions	330 (W) x 164 (D) x 79 (H) mm 13 (W) x 6-1/2 (D) x 3-1/8 (H) inches
Weight (excluding AC adaptor)	1.9 kg 4 lbs 4 oz
Accessories	Startup Guide Leaflet "USING THE UNIT SAFELY" AC adaptor Power cord

* 0 dBu = 0.775 Vrms
* This product is a Class A digital device under FCC part 15.
* The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.