

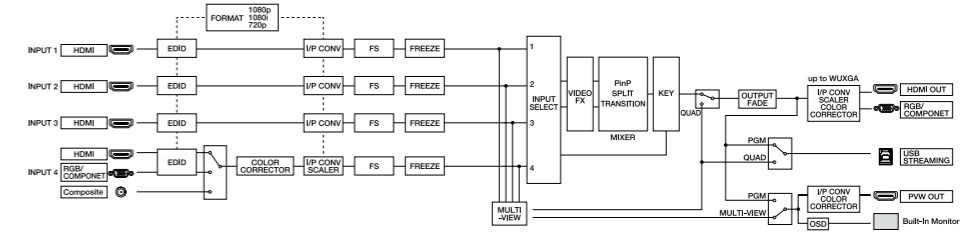
All-in-one HD AV mixer with built-in USB 3.0 for web streaming and recording

- All-in-one portable production solution
- Easy to use with dedicated hardware controls and audio faders and integrated touch screen preview monitor
- 6 input, 4-channel video switcher
- Supports HDMI, RGB/Component, and Composite Video Inputs Up to 1080p
- Input 4's scaler now supports a wider range of video and VESA resolutions
- Built-in Scaler via CH4
- 18-channel digital audio mixer with XLR, TRS, and RCA jacks along with audio from HDMI inputs
- Embedding and de-embedding of audio with delay settings
- Auto mixing and Echo Canceling function
- Composition effects including DSK, picture-in-picture etc.
- Capturing a still image from Input Video on channel 4
- Built-in touch quad-input multi-viewer with audio metering
- External Multi-View Output through HDMI
- HDCP Support
- USB3.0 Video/Audio Output up to 1080/30p (uncompressed) and Audio Loopback feature
- Software control using VR-4HD RCS application for Mac and PC and remote control via USB connection
- Sending a still image to the VR-4HD by VR-4HD RCS
- Tally, GPIO connections

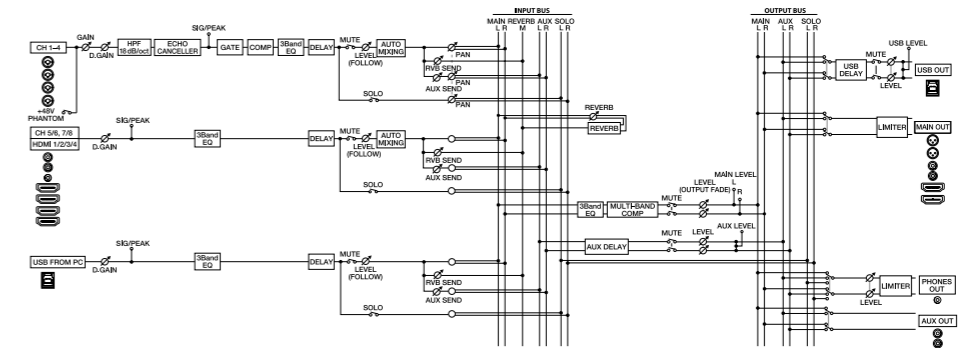


BLOCK DIAGRAM

VIDEO

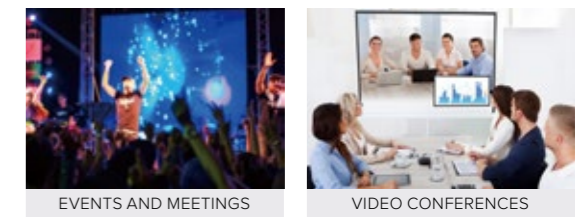


AUDIO



Easy Operation for Pro Results

The VR-4HD features professional quality broadcast controls and switches ensuring more accurate and faster operation than interfaces based on a computer style mouse and keyboard. The ability to simultaneously switch video with the push of a button and adjust audio with the push of a fader is invaluable and puts all of the essential features at the operator's fingertips.



SPECIFICATIONS VR-4HD

VIDEO		AUDIO	
Processing	4:2:2 (Y/Pb/Pi), 8-bit	Audio Processing	Sampling rate: 24 bits/48 kHz
Input Connectors	INPUT 1-3: HDMI Type A (19 pins) x 3 * HDCP Supported INPUT 4: HDMI Type A (19 pins) x 1 * HDCP Supported RGB/COMPONENT (Mini D-sub 15-pin type) x 1 COMPOSITE (RCA phono type) x 1 * INPUT 4: HDMI, RGB/COMPONENT or COMPOSITE selected.	Audio formats	HDMI: Linear PCM, 24 bits/48 kHz, 2 ch USB: Linear PCM, 16 bits/48 kHz, 2 ch
Output Connectors	MAIN OUT: HDMI Type A (19 pins) x 1 * HDCP Supported RGB/COMPONENT (Mini D-sub 15-pin type) x 1 PREVIEW OUT: HDMI Type A (19 pins) x 1 * HDCP Supported USB3.0: USB B type x 1	Input Connectors	AUDIO IN 1-4 (XLR/TRS combo type, phantom power) AUDIO IN 5-6 (RCA phono type) AUDIO IN 7/8 (Stereo miniature type) USB B type (stereo)
Input formats	HDMI INPUT 1-3: 720/59.94p, 720/50p (SYSTEM FORMAT: 720p) 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p (SYSTEM FORMAT: 1080i, 1080p) INPUT 4: HDMI, RGB/COMPONENT: 480/59.94i, 576/50i, 480/59.94p, 576/50p, 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 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 x 768/60 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) COMPOSITE: 480/59.94i, 576/50i * The refresh rate is the maximum value of each resolution. * Conforms to VESA DMT Version 1.0 Revision 1f. * 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 Hz or 50 Hz).	Phantom Power	DC 48 V (unloaded maximum), 10 mA (maximum load) * Current value per channel
Output formats	MAIN OUT (HDMI, RGB/COMPONENT): 480/59.94i, 576/50i, 480/59.94p, 576/50p, 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 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 x 768/60 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) PREVIEW OUT: 720/59.94p, 720/50p (SYSTEM FORMAT: 720p) 1080/59.94i, 1080/50i (SYSTEM FORMAT: 1080i) 1080/59.94p, 1080/50p (SYSTEM FORMAT: 1080p) USB3.0: 720/29.97p, 720/25p (SYSTEM FORMAT: 720p) 1080/29.97p, 1080/25p (SYSTEM FORMAT: 1080i, 1080p) * The MAIN OUTPUT format of HDMI and RGB/COMPONENT is always the same. When an interlaced format is selected, component signal is output from the RGB/COMPONENT connector. When a non-interlaced format is selected, RGB signal is output from the RGB/COMPONENT connector. * The video signal frame rate can be selected at the SYSTEM menu (59.94 Hz or 50 Hz).	Output Connectors	AUDIO OUT: L, R (XLR type) L, R (RCA phono type) AUX OUT: L, R (RCA phono type) USB: USB B type (stereo) PHONES: Stereo miniature type
Video Effects	Transition: CUT, MIX (DISSOLVE/FAM/NAM/MOSAIC), WIPE (30 types) Effects: NEGATIVE, EMBOSS, COLORIZE, COLORPASS, POSTERIZE, SILHOUETTE, MONOCOLOR, FINDEDGE (8 types) Composition: PinP, SPLIT, QUAD, KEY (Luminance Key, Chroma Key)	Signal Level and Impedance	XLR/TRS combo type Input Signal Level: -60--+4 dBu (Maximum: +22 dBu) Input Impedance: 10 k ohms (GAIN 0--23 dB), 5 k ohms (GAIN 24--64 dB) RCA phono type: Input Signal Level: -10 dBu (Maximum: +8 dBu) Input Impedance: 15 k ohms Output Signal Level: -10 dBu (Maximum: +8 dBu) Output Impedance: 1 k ohm XLR type: Output Signal Level: +4 dBu (Maximum: +22 dBu) Output Impedance: 600 ohms Miniature type: Input Signal Level: -15 dBu (Maximum: +3 dBu) Input Impedance: 15 k ohms Headphones: Output Signal Level: 75 mW + 75 mW Output Impedance: 32 ohms
		Audio Effects	Auto Mixing, Echo Cancel, EQ, Delay, Compressor, HPF, Gate, Reverb, Multi-Band Compressor, Limiter
		OTHERS	
		Other Connectors	RS-232: D-sub 9-pin type Tally/GPIO: Mini D-sub 15-pin type USB 3.0/2.0 (device): USB B type, USB-VIDEO (Super-Speed), USB-AUDIO 2 IN/2 OUT (Full-Speed), remote control from PC
		Display	Graphic Color LCD, 320 x 240 dots, touch panel
		Other Functions	MEMORY (8 types), FREEZE (input video captured) OUTPUT FADE (Audio, Video: WHITE or BLACK)
		Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
		Current Draw	3 A
		Power Consumption	36 W
		Operating Temp.	+0 to +40 degrees Celsius, +32 to +104 degrees Fahrenheit
		Dimensions	339 (W) x 217 (D) x 87 (H) mm, 13-3/8 (W) x 8-9/16 (D) x 3-7/16 (H) inches
		Weight (excl. AC adapt.)	2.4 kg, 5 lbs 5 oz
		Accessories	Owner's manual, AC adaptor, Power cord