Roland

Portable Audio and Video Mixer with USB port
Ready for Live Streaming

VR-3 AV MIXER

USB AUDIO CLASS

USB VIDEO CLASS

Actual size

- 4-Channel Video Switcher (3 Composite video sources + 1 Composite/PC switchable)
- 4 mono and 2 stereo audio inputs along with internal stereo boundary mics

The VR-3 - the streaming-ready broadcast station.

Share your original programing - public or private, to an audience of one or millions - around the world through the internet.

- Compact travel size
- Less than five pounds

Schools/seminar rooms are easily adaptable to online training.

Class

Seminar

Forum

VR-3 is the size of an A4-piece of paper. It is compact so easily fits a platform in the classroom or the podium in a seminar/ conference room. A signal from the PC can be sent through the VR-3 to the projector through the VGA terminal. Images from the PC, such as PowerPoint or Keynote, and a video camera reflecting the lecturers, document camera, or DVD can be switched easily.

Stream live on the internet from a street or station square

Festival

News

Sales promo

The weight of the VR-3 is a mere 2 kg/4 lbs 7 oz. The unit can easily be taken anywhere any time as needed. Carry it together with a laptop and video camera. Using an external 9 V battery*, the unit can operate for 2 hours without AC power. Share the images from events, shopping malls, and festivals to your audience via the internet.

*Sanyo eneloop Pedal Juice/Music booster, 9V rechargeable battery

Live Internet distribution from the studio, live house and theater

Live Venue

Studio

Theater

Control audio for better sound with built-in equalizer, noise gate, and reverb. Ensure the audio always matches the video by adjusting the audio delay (up to 4 seconds) for that perfect lip sync. Use the memory function to recall settings that were locked in during rehearsals. This enables great sounding events even when talking/MC and live music are alternating.

Internet distribution for corporate events and parties

Corporate

Reception

Weddings

The VR-3 is equipped with four video inputs and six audio inputs. It can be used flexibly in a venue with existing video cameras or PA equipment. Switched video images can be output to the PC for Internet distribution through the USB port, while using a projector or large TV monitor at the same time. Effectively produce events with video images from video cameras and computer. Share and inspire people in remote locations by distributing live video images of a ceremony, reunion or other important events.

Everything you need in a single compact device

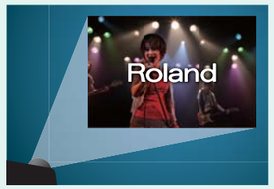
VR-3 AV MIXER

AUDIO

Live Production

Live stage production using a projector or display.

- Show computer image as main display or use the composite out for mixed image.



Live Streaming

USB AUDIO CLASS
USB VIDEO CLASS

USB video/audio class device for webstreaming or recording with a PC/Mac.

- Stream the event (visuals and audio) to the Internet by connecting to a computer via USB and linking to a live streaming service.

VIDEO

AUDIO MIXER

Hands-on mixing for live performance and production.

- 4 Mono (XLR or ¼") and 2 stereo mixable audio channels, Built-in stereo microphone for mixing in ambient sound.

- Easy operation thanks to faders as well as GAIN/EQ/PAN dials for improving the sound.

AUDIO EFFECTS

Reverb control that enables adjustment of sound space.

- Digital Audio effects include: Noise Gate, EQ, Reverb, Noise Suppressor, Enhancer and Master Lo/Hi Filters. Select them using the menu on the touch screen monitor.

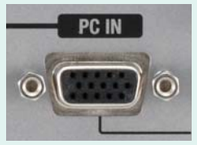
- Master Lo/Hi Filters enable stable mixing for audio streaming.

VIDEO SELECT

Built-in LCD monitor with touch control for easy video source and menu selection.

- You can monitor four inputs and the output. Monitor can be used to view a quad display of inputs, program out or combination quad view with program out. When the [INPUT] button and [OUTPUT] button are pressed simultaneously, the output picture is overlaid on a four-way split screen of the input.

- VIDEO INPUT [4] switchable between Composite or PC. A built-in scan converter is available for the PC input to allow it to me mixed with the other video sources. A PC thru jack is also included enabling direct connection to a projector or display with no reduction in resolution.



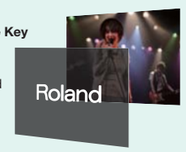
KEYER

Control transparency with a single knob

- Advanced video composition such as placing a person or text over a background video source can be fine-tuned using a single knob.

- **Chroma Key** Composite a person over a background

- **Luminance Key** Composite text over a background



VIDEO EFFECTS

Simple video compositing

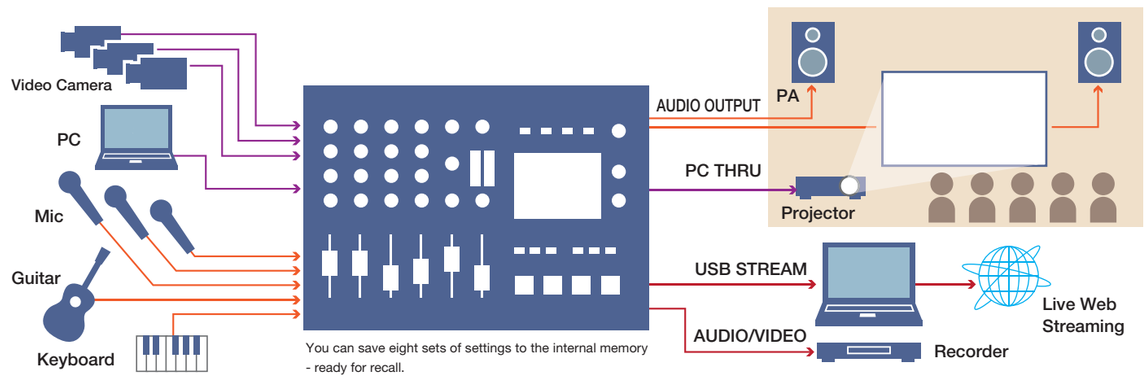
- In addition to Transition effects, Picture in Picture (PinP) and SPLIT are also available. Simply select an effect and the respective video sources.

- Transition between sources with various switching effects

- SPLIT displays two video sources simultaneously

- PinP inlays a small window in the main source

Application sample

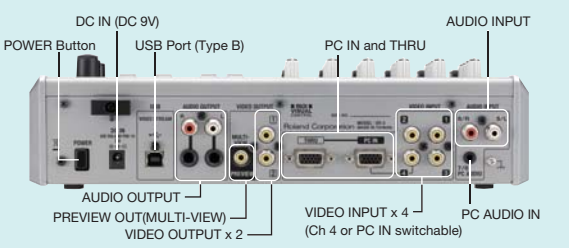


Specifications

VIDEO	
Input Connectors	VIDEO IN 1--4 jacks (Composite: RCA phono type) PC IN connector (DB-15 type)
Output Connectors	VIDEO OUT 1, 2 jacks (Composite: RCA phono type) VIDEO OUT MULTI-PREVIEW jack (Composite: RCA phono type) PC THRU connector (DB-15 type) (THRU)
Video Format	Composite: NTSC or PAL PC IN: 800 x 600 (120 Hz), 832 x 624 (75 Hz), 1024 x 768 (80 Hz), 1152 x 864 (75 Hz), 1152 x 870 (75 Hz), 1280 x 720 (60 Hz), 1280 x 768 (75 Hz), 1280 x 800 (75 Hz), 1280 x 1024 (75 Hz), 1366 x 768 (75 Hz) *The refresh rate is the maximum value of each resolution.
Sampling Rate	4:2:2 (Y:R-Y:B-Y), 8-bit, 13.5 MHz (ITU-R BT.601)
Input/Output Level and Impedance	Composite: 1.0 Vp-p, 75 ohms PC IN: 0.7 Vp-p, 75 ohms (H,V:5V TTL)
AUDIO	
Input Connectors	AUDIO IN 1--4 jacks (XLR/TRS combo type, phantom power) AUDIO IN 5--6 jacks (RCA phono type) AUDIO IN 7--8 jack (Stereo miniature type) MIC (Internal stereo microphones)
Phantom Power	DC 48 V (unloaded maximum), 5 mA (maximum load) *Current value per channel.
Output Connectors	AUDIO OUT L,R jacks (Stereo 1/4-inch phone type) AUDIO OUT L,R jacks (RCA phono type) PHONES jack (Stereo 1/4-inch phone type) (headphones) PHONES jack (Stereo miniature type) (headphones)
Sampling Rate	48 kHz (24-bit)
Input Level and Impedance	XLR/TRS: -68 to +4 dBu (Maximum: +22 dBu, 4 k ohms) RCA phono: -10 dBu (Maximum: +8 dBu, 15 k ohms) Miniature: -15 dBu (Maximum: +3 dBu, 15 k ohms)
Output Level and Impedance	1/4-inch phone/RCA phono: -10 dBu (Maximum: +8 dBu, 1 k ohm) Headphones: 25 mW + 25 mW, 10 ohms
OTHER CONNECTORS	
USB connector	Hi-Speed USB: USB Type B, USB-VIDEO, USB-AUDIO Resolution: 720 x 480 (29.97fps/Motion-JPEG) Audio: 48kHz/16bit Liniar PCM)
Remote	MIDI IN, OUT/THRU (5-pin DIN type)
Display	Graphic color LCD 320 x 240 dots (touch screen)
Power Supply	DC 9V
Current Draw	1.5A
Dimensions	303 (W) x 202.7 (D) x 80.3 (H) mm 11-15/16 (W) x 8 (D) x 3-3/16 (H) inches
Weight	2.0 kg (without AC Adaptor) 4 lbs 7 oz

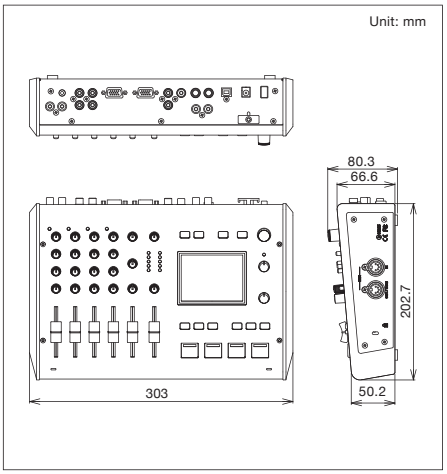
(*0dBu=0.775Vrms)

Rear Panel

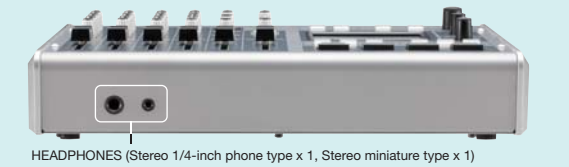


Side Panel

Dimensions



Front Panel



Related Items

All-in-one AV Mixer for stand-alone recording and live streaming

AV Mixer & Recorder
VR-5

Easy-to-use, reliable playback of video and still images

Visual Sampler
P-10

Options

Hypercardioid professional handheld mic

Dynamic Microphone
DR-50

Newly developed 45 mm driver provides ultra-wide frequency range

Stereo Headphones
RH-300

MIDI VISUAL CONTROL

MIDI Visual Control is an internationally-used recommended practice that was added to the MIDI specification so that visual expression could be linked with musical performance. Video equipment that is compatible with MIDI Visual Control can be connected to electronic musical instruments via MIDI in order to control video equipment in tandem with a performance.

Roland Systems Group

Roland Systems Group, a member of the worldwide group of Roland companies, is dedicated to the support of audio and video professionals demanding excellence in both performance and system design. Through the development and support of video and audio products, we endeavor to improve workflow and maximize creative possibilities.

Ensuring high quality while protecting the environment: Roland is ISO9001 and ISO14001 certified

At Roland, several group companies have obtained ISO9001 certification. In addition, in January 1999, Roland also received ISO14001 international environmental management system certification. We're actively seeking ways to maintain harmony with the environment. (ISO=International Standardization Organization: an organization for the promotion of standardization of international units and terms. They provide different categories of certification: ISO9001 Series certification is a product quality certification for products that undergo a certain level of quality control from the design stage to the after service stage; ISO14001 Series certification is for environment-related standards. Each member of the Roland Group is striving to obtain certification.)

Roland
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