

# Marshall

Broadcast Multimedia Division

## V-R63P-SDI Instruction Sheet

<http://www.LCDRacks.com> e-mail: [sales@mars-cam.com](mailto:sales@mars-cam.com)

The **V-R63P-SDI** is a rack mountable unit that has three independently controlled 5.8" active matrix LCD panels with loop through capability. These 16:9 high-resolution panels have a pixel count of 1200 x 234, and are rated at a very bright 350 candle luminance. Each panel has an SDI and a composite video input with an NTSC/PAL switch on the back for each channel. Each of the three screens has a built-in color bar generator, controls for brightness, color, tint, and contrast, and a selectable aspect ratio of 16:9 or 4:3. A built in 3 color tally system is also provided for each screen. Unit comes complete with power supply, and fits into any standard EIA 19" rack, at only 3 rack spaces high.



The operation of the V-R63P-SDI is fairly straightforward, however, please take note of the following:

1. The **V-R63P-SDI** has been designed to fit in a 3U space on your rack. **It is important to use 4 screws to hold the ears to the rack. Be certain that the ears are aligned vertically, this is important to the tilt function.** The V-R63P-SDI has a memory function that will remember the settings of each monitor including power and channel selection *even if power has been disconnected from the unit.*
2. Each LCD Panel comes with a protective plastic film that must be removed by carefully lifting the film from the corner and peeling it off. Be certain not to apply any pressure on the LCD panels, they are fragile and can break. Scratched, cracked or broken LCD screens are not covered by our warranty.
3. The V-R63P-SDI uses **9VDC, 3.5 Amp** regulated power. Be certain that these specifications are met when using a power supply other than the one supplied to you by Marshall Electronics. The center pin on the coaxial power connector for the V-R63P-SDI is the **POSITIVE** terminal and the outside ring is **NEGATIVE**. Any battery operation of the V-R63P-SDI must have this polarity configuration.
4. The Video inputs on the rear of the panel are 75 Ohm self-terminated. The loop through feature uses active components and is always active as long as power is supplied to the unit regardless of the monitor being On or Off. The V-R63P-SDI is also equipped with a 10-bit D/A convertor that converts the SDI input from that channel. This D/A convertor uses the SMPTE 259M standard and is relocked.



Rear View



Side View

Display	Viewing Area	Dot Pitch	Picture Elements	Inputs	Color Bars	Dimensions	Power Consumption
5.8" LCD Active Matrix	5.01" x 2.83" each panel	0.318mm x 0.307mm	1200H x 234V	1 NTSC/PAL 1 SDI, per panel	Built into unit	19.125W x 5.14H x 2.5D	9 VDC 3.5 Amps

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**5. Tally** - The tally system on the V-R63P-SDI is accessed via the DB-15 connector on the back of the unit. The system works by closing the contacts between the ground pin and the corresponding LED pin. The system is self powered, **DO NOT GIVE POWER TO THE PINS**. The pinout is as follows:

	Green	Red	Yellow
Monitor 1	Pin 1	Pin 2	Pin 3
Monitor 2	Pin 6	Pin 7	Pin 8
Monitor 3	Pin 11	Pin 12	Pin 13

**PINS 4, 5, 9, 10, 14 and 15  
ARE COMMON GROUNDS**

## Warranty

Marshall Electronics warrants to the first consumer, that this **V-R63P-SDI** rackmount monitor will, under normal use, be free from defects in workmanship and materials, when received in its original container, for a period of one year from the purchase date.

This warranty is extended to the first consumer only and proof of purchase is necessary to honor the warranty. If there is no proof of purchase provided with a warranty claim, Marshall Electronics reserves the right, not to honor the warranty set forth above. Therefore, labor and parts may be charged to you.

This warranty does not apply to product exterior and cosmetics. Misuse, abnormal service or handling, improper alterations or modifications in design or construction, voids this warranty. No sales personnel of the seller, nor any other person is authorized to make any warranties other than those described above, or to extend the duration of any warranties on behalf of Marshall Electronics, beyond the time period described above.

Due to constant effort to improve products and product features, specifications may change without notice.