

Marshall

V-R53P-SDI Instruction Sheet

Broadcast Multimedia Division

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The **V-R53P-SDI** is a rack mountable unit that has three independently controlled 5" active matrix LCD panels with loop through capability. These 5" panels have 960 x 234 pixels making them a true high resolution LCD panel. Each monitor has a composite video, SDI, and a VGA input. Each of the three screens also have a built-in color bar generator, individual front mounted selector buttons with LED's and color, tint, brightness and contrast controls. The unit fits into an EIA standard 19" rack, three rack spaces high. In addition to the digital and analog loopthroughs, this unit also has a 10-bit converted output from the digital input. Unit comes with power supply and dry erase marker.



The operation of the V-R53P-SDI is fairly straightforward, however, please take note of the following:

1. The V-R53P-SDI has been designed to fit in a 3U space on your rack. It may be necessary to center the unit up or down in order to not touch any adjacent units in your rack when tilting unit up or down. The auto signal detection will display a blue screen with the absence of a signal. The V-R53P-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-R53P-SDI uses 12VDC, 3.0amp 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-R53P-SDI is the POSITIVE terminal and the outside ring is NEGATIVE. Any battery operation of the V-R53P-SDI must have this polarity configuration.
4. The Video inputs on the rear of the panel are 75 Ohm self-terminated. The loopthrough 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-R53P-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 reclocked.
5. In the VGA mode, the signal is converted from 640 x 480 pixels to 640 x 320 pixels. Since the pixel count on these panels is 960 x 234, 6 bottom lines will be lost.



Display	Viewing Area	Dot Pitch	Picture Elements	Inputs	Color Bars	Dimensions	Power Consumption
5" LCD Active Matrix	4.75" x 2.95" each panel	0.107mm x 0.320mm	960H x 234V	1 SDI, 1 Comp, 1 VGA per panel	Built into unit	19.125W x 5.14H x 2.50D	12 VDC 3.0 Amps

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Warranty

Marshall Electronics warrants to the first consumer, that this **V-R53P-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.