

The **V-R53P** is a rack mounted unit that has three independently controlled 5" active matrix LCD panels with loop through capability. These 5" panels have 960x234 pixels making them a true high resolution LCD panel. This unit also has a unique feature that allows the unit to tilt up or down for optimum viewing angle. The unit fits into a EIA standard 19" rack, three rack spaces high. Each of the three screens has individual front mounted selector buttons with LED's and color, tint, brightness and contrast controls. Each screen has two composite video inputs, a computer VGA input and built-in color bars. Unit comes complete with power supply and is available in either NTSC or PAL format.



**The operation of the V-R53P is fairly straightforward, however, it is important to take note of the following:**

1. The V-R53P 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.
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 uses 12VDC, 2.0amp regulated power. Be certain that these specifications are met when using a power supply other than the one supplied to you by Marshall Electronics.
4. The center pin on the coaxial power connector for the V-R53P is the POSITIVE terminal and the outside ring is NEGATIVE. Any battery operation of the V-R53P must have this polarity configuration.
5. 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.
6. 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.



Rear View



Side View

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	2 NTSC, 1 VGA per panel	Built into unit	19.125W x 5.14H x 2.5D	12 VDC 2.0 Amps

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**5. Tally** - The tally system on the V-R53P 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-R53P** 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.

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