

The **V-R82P-SDI** is a rack mountable unit that has two independently controlled 8.4" active matrix LCD panels with loop through capability. These high-resolution panels have a pixel count of 800x600 and are rated at a very bright 350 candle luminance. Each panel has an SDI, S-video, Composite Video and a VGA input with NTSC/PAL auto-recognition available for each channel. Each of the two 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 4 rack spaces high.



Although the V-R82P-SDI is a sophisticated blend of digital and analog technologies, its operation is fairly straightforward. However, it is important to take note of the following:

1. **Because the V-R82P-SDI must resample and resize every incoming signal; when switching functions, it may be necessary to wait up to 2 seconds for the unit to lock on to the selected function.**
2. The V-R82P-SDI has been designed to fit in a 4U 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.
3. 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.
4. The V-R82P-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.
5. The **center pin** on the coaxial power connector for the V-R82P-SDI is the **POSITIVE** terminal and the outside ring is **NEGATIVE**. Any battery operation of the V-R82P-SDI must have this polarity configuration.

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Display	Viewing Area	Dot Pitch	Picture Elements	Inputs	Back Light	Dimensions	Power Consumption
8.4" LCD Active Matrix	6.71" x 5.03" each panel	0.213mm x 0.213mm	800H x 600V	1 comp, 1 SDI, 1VGA per panel	350 candle luminance	19.125W x 6.85H x 2.50D	12 VDC 3.0 Amps

**instructions continued...**

6. The Digital and Analog inputs on the rear of the panel are 75 Ohm self-terminated. The V-R82P-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.
7. 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.
8. The VGA input of the V-R82P-SDI is accessed via the DB-15 connector on the back of the unit labeled 'MONITOR'. This input accepts from 640x480 up to 1280 x 1024 with refresh rates from 60Hz to 85Hz. The unit will scale any input up or down to fit onto the screen. *The native resolution of the V-R82P-SDI is 800 x 600.*

**TALLY SYSTEM** - The tally system on the V-R82P-SDI is accessed via the DB-15 connector on the back of the unit labeled 'TALLY'. 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 6	Pin 7	Pin 8
Monitor 2	Pin 1	Pin 2	Pin 3

**PIN 4 IS COMMON GROUND**

**Warranty**

Marshall Electronics warranties to the first consumer, that this **V-R82P-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.

In addition, this warranty shall also cover pixel blemishes of 3 pixels or more located in the center of the screen, where the center is defined as 60% of the entire viewing area.

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.