

① Product Overview

The V-R18P-SDI includes all hardware for rack mount applications and features eight 1.8" TFT active matrix LCD displays that accept composite inputs. Each display is a matrix of 280 x 220 dots and produces true high-resolution images. Like all Marshall rack mounted displays, the V-R18P-SDI can tilt up or down for optimum viewing angle and installs into a EIA standard 19" rack. Each display features automatic recognition of NTSC/PAL signals and signals may be interspersed on the eight screens. A blue screen will be displayed indicating signal loss. The power on/off toggle switch is located on the rear of the unit. Power supply, and manual are included.



② Features

- Eight displays in 1U – small footprint
- High Resolution, 280 × 220 dots, or RGB pixels
- Each display accepts an SDI-4:2:2 signal with reclocked outputs
- Automatic NTSC/PAL Signal Detection for each display
- 90 degree tilt provides excellent viewing characteristics
- All inputs automatically terminate
- Includes V-PS12-5V-1 Universal voltage power supply



Universal voltage power supply

③ Specifications for each display

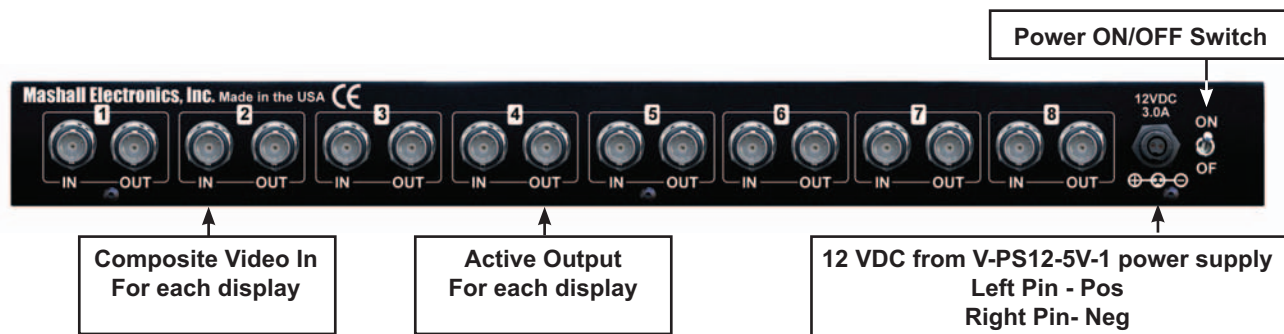
Display (Viewing Area)	1.8" (1.10" × 1.43")(28.02mm x 35.03mm) (4:3 Aspect Ratio)
Resolution (Dots)	280H × 220V
Dot Pitch	0.127 x 0.121 mm
Number of Colors	65,000
Brightness (in cd/m ²)	250 cd/m ²
Contrast Ratio	150:1
System	NTSC/PAL auto detect
Inputs	1 per display (V-R18P Composite)
Outputs (Loop Through)	1 Active Per display 1 Active Per display
Dimensions	19.12"W x 1.64"H x 2.5"D (48.56cm x 4.16cm x 63.50cm)
Approx. Weight	6 lbs (2.7kg)
Power Consumption	12VDC, 3.0Amps peak

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④ Operational Setup

1. Unpack the V-R18P and accompanying V-PS12-5V-1 power supply. Physically inspect for any damage that may have occurred during shipping. Should there be any damage, immediately contact Marshall Electronics at 800-800-6608. If you are not located within the continental United States call +1 310-333-0606.
2. After inspection, install in your desired location of a standard EIA 19-inch equipment rack. Adequate ventilation is required when installed to prevent possible damage to the V-R18P internal components.
3. Connect required cables for signal inputs and outputs.
Please note that power must be applied to the V-R18P for the output to be activated.
All BNC connectors should be rated for 75Ω.
4. Plug the V-PS12-5V-1 power supply into the A.C. source
5. Attach twist lock power connection from V-PS12-5V-1 power supply to the back of the unit.
6. Access the power on/off toggle switch located on the rear of the unit.

⑤ Connectors



* All Outputs Require Power to be applied for activation

⑤ Warranty

Marshall Electronics warrants to the first consumer, that this V-R18P-SDI Eight screen 1.8-inch inch LCD rack mounted monitor set 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 purchasing end user 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.

An extra note about LCD displays: It is considered normal for a minimal amount of pixels, not to exceed three, to fail on the periphery of the display active viewing area. Marshall Electronics has the option to reserve service for display pixel failure if deemed unobtrusive to effective use of the monitor by our technicians.

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