



# VM-54

### 1:54 OR 3X1:18 CV/COMPONENT VIDEO DISTRIBUTION AMPLIFIER



#### DESCRIPTION

The VM-54 is a high performance dual-mode distribution amplifier for composite, SDI, or component video signals. It can be configured as a 1:18 distribution amplifier for component (YUV) signals and provides controls to compensate for signal losses inherent in long cable runs.

- High Bandwidth - 365MHz (-3dB).
- HDTV Compatible.
- Dual Mode - Configure as either a 1:54 (Composite/SDI) or 1:18 (Component) DA.
- Grouped Level (Gain) and EQ (Peaking) Controls.
- Video AC/DC Coupling Selection.
- Looping Inputs.
- Selectable Input Signal Termination.
- Standard 19" Rack Mount Size - 2U.

#### SPECIFICATIONS

|                         |  |
|-------------------------|--|
| INPUTS:                 | 3 composite/component video looping, 1Vpp/75Ω on BNC connectors with termination switches. |
| OUTPUTS:                | 3 x 18 composite/component video, 1Vpp/75Ω on BNC connectors.                              |
| MAX. VIDEO OUTPUT:      | 2Vpp.  |
| VIDEO BANDWIDTH (-3DB): | 365MHz.  |
| DIFF. GAIN:             | 0.03%.   |
| GAIN RANGE:             | -0.8 to 1.9dB.   |
| DIFF. PHASE:            | 0.09°.   |
| EQ. RANGE:              | 0 to 2.3dB @ 4.4MHz.   |
| K-FACTOR:               | 0.05%.   |
| VIDEO S/N RATIO:        | Better than 70dB.  |
| CONTROL:                | 75Ω termination switches on each output.   |
| NON-LINEARITY:          | 0.2%   |
| COUPLING:               | AC or DC for each channel, selectable from front panel.                                    |
| POWER SOURCE:           | 230VAC, 50/60 Hz, (115V U.S.A.) 10 VA.   |
| DIMENSIONS:             | 19 inch (W), 7 inch (D), 2U (H) rack mountable.  |
| WEIGHT:                 | 4.4kg (9.8 lbs) approx.  |
| ACCESSORIES:            | Power cord.  |

