



## 1:5 Composite / s-Video / Audio Distribution Amplifier

## VM-5YCxl

The Kramer VM-5YCxl is an exceptionally unique 1:5 distribution amplifier for s-Video (YC), composite video, and audio stereo signals. It accepts a single input source and distributes the signal to five identical outputs designed to drive monitors, projectors, or other receiving devices. The VM-5YCxl is a dual format DA offering BNC connectors for composite video, and 4pin connectors for s-Video. It is a true dual distribution amplifier, allowing for simultaneous distribution of composite video and s-Video. In addition, it allows bi-directional conversion between YC and composite video, thus allowing simultaneously, for example, one composite input to 5 composite outputs and 5 YC outputs. Similarly, the YC input can be distributed to

the 5 composite and 5 YC outputs. The composite and YC inputs each have an extra converted output (an extra YC output for the composite video input and an extra composite video output derived from the YC input) so that, even when working as 2 unconverted DAs, there is an extra converted output for monitoring, etc. Rear panel controls are also provided for selecting AC or DC coupling and for termination (to enable looping). Bandwidth exceeding 300MHz ensures transparent performance with typical video and audio sources. The VM-5YCxl is rugged, dependable, and housed in a professional 19" rack mountable enclosure, requiring one vertical rack space.



## TECHNICAL SPECIFICATIONS

|                  |                                                                                                                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INPUTS:          | 1 composite video looping, 1 Vpp / 75 $\Omega$ on a BNC connector.<br>1 looping, 1 Vpp / 75 $\Omega$ (Y) 0.3 Vpp / 75 $\Omega$ (C) on a 4P connector.<br>2 audio stereo looping 1 Vpp / 50 k $\Omega$ on RCAs. |
| OUTPUTS:         | 5+1 composite video, 1 Vpp / 75 $\Omega$ on BNCs.<br>5+1 YC, Y=1 Vpp / 75 $\Omega$ , C=0.3 Vpp / 75 $\Omega$ on 4P connectors.<br>2x5 audio stereo, 1Vpp/100 $\Omega$ on RCAs.                                 |
| VIDEO BANDWIDTH: | 300MHz. -3 dB.                                                                                                                                                                                                 |
| VIDEO CROSSTALK: | <-58 dB @ 5MHz.                                                                                                                                                                                                |
| NON LINEARITY:   | <0.05%.                                                                                                                                                                                                        |
| VIDEO S/N:       | 73.5 dB.                                                                                                                                                                                                       |
| DIFF. GAIN:      | <0.26%.                                                                                                                                                                                                        |
| DIFF. PHASE:     | <0.11 Deg.                                                                                                                                                                                                     |
| K-FACTOR:        | <0.1%.                                                                                                                                                                                                         |
| COUPLING:        | AC or DC (video), AC for audio.                                                                                                                                                                                |
| CONTROLS:        | YC to YC or composite, composite to composite or YC program switches.                                                                                                                                          |
| AUDIO BANDWIDTH: | 100 kHz. -3 dB.                                                                                                                                                                                                |
| AUDIO S/N:       | 88 dB unweighted, (1 Vpp).                                                                                                                                                                                     |
| AUDIO THD:       | 0.02% (1V, 1kHz.).                                                                                                                                                                                             |
| 2nd HARMONIC:    | 0.015%.                                                                                                                                                                                                        |
| DIMENSIONS:      | 19-inch (W), 7-inch (D) 1U (H) rack-mountable.                                                                                                                                                                 |
| POWER SOURCE:    | 230 VAC, 50/60 Hz., (115VAC, U.S.A.) 12VA.                                                                                                                                                                     |
| WEIGHT:          | 2.5 kg. (5.6 lbs.) approx.                                                                                                                                                                                     |
| ACCESSORIES:     | Power cord.                                                                                                                                                                                                    |

## TYPICAL APPLICATIONS

- Video duplication studios.
- Broadcast, production, or presentation systems requiring high quality signal distribution.

- Schools, retail, sports bars, other point-of-sale and CCTV applications.