



1:4 RGBS/Component Video Distribution Amplifier

VM-1044

The Kramer VM-1044 is a high performance 1:4 distribution amplifier for component video signals using BNC connectors. The VM-1044 has four separate channels, each of which is a high bandwidth 1:4 DA. In its typical application, it is designed to accept a component video source such as RGBS or Y, R-Y, B-Y, etc., and provide four buffered outputs to drive monitors, projectors, or other receiving devices.

In addition to a typical RGBS application, the four channels can operate independently, allowing the unit to be used as four separate 1:4 DA's for composite video or other formats. Bandwidth of over 320MHz ensures that the VM-1044 remains transparent even in critical broadcast or high-resolution applications. It is housed in a rugged, professional, rack mountable enclosure requiring only one vertical space in a standard 19" rack.



TECHNICAL SPECIFICATIONS

INPUTS:	4 component / composite video, 1 Vpp / 75 Ω on BNCs.
OUTPUTS:	4 times 4 component / composite, 1 Vpp / 75 Ω on BNCs.
VIDEO BANDWIDTH:	320 MHz, -3 dB.
VIDEO S/N RATIO:	Better than 74 dB.
COUPLING:	DC.
NON-LINEARITY:	0.1%.
DIFF. GAIN:	0.05 %.
DIFF. PHASE:	0.05 Deg.
K-FACTOR:	<0.05%.
MAX. VIDEO OUTPUT:	2 Vpp.
CONTROL:	Gain: -1.1dB / +2.5dB, EQ.: 0 / +0.9 dB @ 4.4 MHz. Via bottom accessible trimmers.
POWER SOURCE:	230 VAC 50 / 60 Hz. (115V U.S.A.), 5.5 VA.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
WEIGHT:	2.5 kg. (5.5 lbs.) approx.
ACCESSORIES:	Power cord.

TYPICAL APPLICATIONS

- ☐ Computer and workstation RGBS distribution.
- ☐ Broadcast component signal distribution.

- ☐ Video duplication studios, delivering undiminished quality video duplicates.