

1:2 RGBS/Component Video Distribution Amplifier

VM-1042

The Kramer VM-1042 is a high performance 1:2 distribution amplifier for component video signals using BNC connectors. The VM-1042 has four separate channels, each of which is a high bandwidth 1:2 DA with a looping output adjacent to each input. 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 two buffered outputs plus the loop out. The looping input makes it easy to create larger systems, or it may be used as a third output in some cases.

In addition to a typical RGBS application, the four channels can operate independently, allowing the unit to be used as four separate DA's for composite video or other formats. Bandwidth of over 200MHz ensures that the VM-1042 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 or composite video, 1Vpp / 75 Ω looping, on BNC type connectors with termination switches.
OUTPUTS:	2 times 4 component or composite video, 1 Vpp / 75 Ω on BNC type connectors.
VIDEO BANDWIDTH:	200 MHz. -3dB.
VIDEO S/N RATIO:	Better than 73 dB.
NON LINEARITY:	0.1%.
COUPLING:	DC.
DIFF. GAIN:	0.05 %.
DIFF. PHASE:	0.05 Deg.
K-FACTOR:	< 0.05%.
MAX. VIDEO OUTPUT:	2 Vpp.
CONTROL:	Level: -2.2dB / +2dB, EQ.: 0 / +1.3dB @ 4.4 MHz. Via bottom accessible trimmers.
POWER SOURCE:	230 VAC 50 / 60 Hz (115V U.S.A.), 3.2 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.