



1:54 Video/Component Distribution Amplifier

VM-54

The Kramer VM-54 is a high quality 1:54 composite video distribution amplifier using BNC connectors. It is comprised of three independent 1:18 channels with looping inputs, so the 1:54 configuration requires that the three channels be looped together using short cables. The three channel design allows it to serve as a 1:18 DA for component video or RGB sources, or as three separate 1:18 DA's for composite video. The VM-54 offers exceptionally flexible controls. Each

channel is subdivided into four groups of either three or five outputs, and each group has its own set of gain and cable EQ controls to optimize signals for different cable lengths. AC or DC output coupling is selectable by front panel buttons. Video bandwidth exceeding 350MHz ensures that the VM-54 remains transparent even in critical broadcast or high-resolution applications. It is housed in a rugged, professional enclosure requiring two vertical spaces in a standard 19" rack.



TECHNICAL SPECIFICATIONS

INPUTS:	3 composite / component video looping, 1 Vpp / 75 Ω on BNCs with termination switches.
OUTPUTS:	3 x 18 composite / component video, 1 Vpp / 75 Ω on BNCs.
VIDEO BANDWIDTH:	350 MHz. -3 dB.
VIDEO S/N RATIO:	Better than 70 dB.
COUPLING:	AC or DC for each channel, selectable from front panel.
CONTROL:	75 termination switches on each input.
DIFF. GAIN:	0.03%.
GAIN RANGE:	-0.8 to 1.9 dB.
DIFF. PHASE:	0.09 Deg.
EQ. RANGE:	0 to 2.3 dB @ 4.4 MHz.
MAX. VIDEO OUTPUT:	2 Vpp.
NON LINEARITY:	0.2%.
K-FACTOR:	<0.05%.
POWER SOURCE:	230 VAC, 50 / 60 Hz., (115V U.S.A.) 10 VA.
DIMENSIONS:	19-inch (W), 7-inch (D) 2U (H) rack mountable.
WEIGHT:	4.4 kg. (9.8 lbs.) approx.
ACCESSORIES:	Power cord.

TYPICAL APPLICATIONS

- ☐ Broadcast, production, or presentation systems requiring high quality signal distribution.
- ☐ Computer RGB or component video distribution.
- ☐ Schools, retail stores, sports bars, other point-of-sale and CCTV applications.

WEB: www.kramerelectronics.com

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