



1:10 Composite/s-Video Audio Distribution Amplifier VM-10YCxl

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DISTRIBUTION AMPLIFIERS

The Kramer VM-10YCxl is an exceptionally unique 1:10 distribution amplifier for s-Video (YC), composite video, and audio stereo signals. It accepts a single input source and distributes the signal to ten identical outputs designed to drive monitors, projectors, or other receiving devices. The VM-10YCxl uses BNC connectors for composite video, and 4pin connectors for s-Video. It is a true dual distribution amplifier, allowing 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, a composite input with 10 composite outputs 10 YC outputs. Similarly, the YC input can be distributed to the 10 composite and 10 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). The composite to YC decoding is performed using a digital comb-filter for perfect YC outputs. Bandwidth exceeding 300MHz ensures transparent performance with typical video and audio sources. The VM-10Cxl is rugged, dependable, and housed in a professional 19" rack mountable enclosure, requiring two vertical rack spaces.



TECHNICAL SPECIFICATIONS

INPUTS:	1 composite video looping, 1Vpp / 75 Ω on a BNC type connector. 1 looping, 1Vpp / 75 Ω 0.3Vpp / 75 Ω (C) on a 4P connector. 2 stereo audio looping 1Vpp / 50K Ω on RCAs.
OUTPUTS:	10+1 composite video 1 Vpp / 75 Ω on BNCs. 10+1 YC, Y=1Vpp / 75 Ω , C=0.3 Vpp / 75 Ω on 4P connectors. 2x10 audio stereo, 1Vpp / 100 Ω on RCAs.
VIDEO BANDWIDTH:	300MHz. -3 dB.
VIDEO CROSSTALK:	<-61 dB @ 5 MHz.
NON LINEARITY:	<0.1%.
VIDEO S/N:	75.5 dB.
DIFF. GAIN:	<0.05%.
DIFF. PHASE:	<0.15 Deg.
K-FACTOR:	<0.05%.
COUPLING:	AC or DC (video), AC for audio.
CONTROLS:	YC to YC or composite, composite to composite or YC, PAL / NTSC program switches, C level, Y level, Y equalization.
AUDIO BANDWIDTH:	100 kHz. -3dB.
AUDIO S/N:	80 dB unweighted, (1Vpp).
AUDIO THD:	< 0.05% (1V, 1kHz.).
2nd HARMONIC:	0.003%.
DIMENSIONS:	19-inch (W), 7-inch (D) 2U (H) rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz., (115VAC, U.S.A.) 14VA.
WEIGHT:	3.8 kg. (8.4 lbs.) approx.
ACCESSORIES:	Power cord.

TYPICAL APPLICATIONS

- ☐ Video duplication studios.
- ☐ Broadcast, production, or presentation systems requiring high quality signal distribution.
- ☐ Schools, retail outlets, sports bars, other point-of-sale and CCTV applications.