

VM-10YCxl

1:10 COMPOSITE / S-VIDEO / AUDIO DISTRIBUTION AMPLIFIER



DESCRIPTION

- High Bandwidth - 370MHz (-3dB).
- Dual Format - The equivalent of two DAs in one box. The unit has a 1:10 composite video with stereo audio section and a 1:10 s-Video (Y/C) with stereo audio section.
- Built-in Bi-Directional Format Conversion with Digital Comb Filter - The VM-10YCxl can be a mixed output format 1:20 DA (10 composite video and simultaneously 10 s-Video (Y/C) with stereo audio) for either the composite video input or the s-Video (Y/C) input.
- Extra Converted Output Connectors - For each signal type, composite video and s-Video (Y/C), there is a dedicated format converted output.
- Looping Inputs.
- Input Signal Termination.
- Video AC/DC Coupling Selection.
- Standard 19" Rack Mount Size - 2U.

SPECIFICATIONS

INPUTS:	1 composite video looping, 1Vpp/75Ω on a BNC type connector. 1 looping (Y), 1Vpp/75Ω, (C) 0.3Vpp/75Ω on a 4p connector. 2 audio stereo looping 1Vpp/50KΩ on RCA connectors.
OUTPUTS:	10 + 1 composite video 1 Vpp/75Ω + 1 composite video 1 Vpp/75Ω on BNC connectors. 10 + 1 YC, Y=1Vpp/75Ω, C=0.3 Vpp/75Ω on 4p connectors. 2 x 10 audio stereo, 1Vpp/150Ω on RCA connectors.
VIDEO BANDWIDTH (-3DB):	370MHz (composite to composite).
AUDIO BANDWIDTH (-3DB):	100 kHz.
DIFF. GAIN:	0.05%.
DIFF. PHASE:	0.15 Deg.
K-FACTOR:	0.05%.
VIDEO S/N :	75.5 dB.
AUDIO S/N :	80dB. unweighted (1Vpp.).
VIDEO CROSSTALK:	-61 dB @ 5MHz.
NON LINEARITY:	0.1%.
CONTROL:	YC to YC or composite, composite to composite or YC, PAL/NTSC program switches.
COUPLING:	DC or AC (video); AC (audio) at input, DC at output.
AUDIO THD:	0.046% @ 1kHz.
2ND HARMONIC:	0.003% (1kHz).
POWER SOURCE:	230VAC 50/60 Hz (115V U.S.A.), 14 VA.
VIDEO MAX. OUTPUT LEVEL:	2.2 VPP, composite.
AUDIO MAX. OUTPUT LEVEL:	26.5 VPP.
AUDIO CROSSTALK:	-85dB @ 1kHz.
DIMENSIONS:	19 inch (W), 7 inch (D), 2U (H) rack mountable.
WEIGHT:	3.8 kg. (8.4 lbs.) approx.
ACCESSORIES:	Power cord.

The VM-10YCxl is a unique dual format 1:10 distribution amplifier for composite video and s-Video (Y/C) signals with unbalanced stereo audio. The VM-10YCxl is a truly flexible DA that can handle both composite and s-Video (Y/C) signals and includes built-in high quality signal format conversion.

