

**VM-10YCxl****1:10 Composite Video & s-Video with Stereo Audio Distribution Amplifier**

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.

**FEATURES**

- **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.

**TECHNICAL SPECIFICATIONS**

INPUTS:	1 composite video looping, 1Vpp/75Ω on a BNC 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 1Vpp/75Ω on BNC connectors. 10 + 1 YC, Y = 1Vpp/75Ω, C = 0.3Vpp/75Ω on 4p connectors. 2 x 10 audio stereo, 1Vpp/150Ω on RCA connectors.
VIDEO BANDWIDTH (-3dB):	370MHz (composite to composite).
AUDIO BANDWIDTH (-3dB):	100kHz.
DIFF. GAIN:	0.05%.
DIFF. PHASE:	0.15 Deg.
K-FACTOR:	< 0.05%.
VIDEO S/N:	75.5dB.
AUDIO S/N:	80dB unweighted (1Vpp).
VIDEO CROSSTALK:	-61dB @ 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 50/60Hz (115V U.S.A.), 14VA.
VIDEO MAX. OUTPUT LEVEL:	2.2Vpp, composite.
AUDIO MAX. OUTPUT LEVEL:	26.5Vpp.
AUDIO CROSSTALK:	-85dB @ 1kHz.
DIMENSIONS:	19 inch (W), 7 inch (D), 2U (H) rack mountable.
WEIGHT:	3.8kg. (8.4lbs.) approx.
ACCESSORIES:	Power cord.

