

VM-10YCxl

1:10 Composite & 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 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 (CV to CV) - 370MHz (-3dB).
- Dual-Format - 1:10 composite video with stereo audio section & 1:10 s-Video (Y/C) with stereo audio.
- Built-in Bidirectional Format Conversion with Digital Comb Filter - 1:20 DA (10 composite & 10 Y/C with stereo audio) for either the composite video or 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 Input.
- 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 type connector; 1 looping (Y), 1Vpp/75Ω, (C) 0.3Vpp/75Ω on a 4-pin connector; 2 unbalanced stereo audio looping 1Vpp/50kΩ on RCA connectors.
OUTPUTS:	10+1 composite video, 1 Vpp/75Ω on BNC connectors; 10+1 Y/C, Y=1Vpp/75Ω, C=0.3 Vpp/75Ω on 4-pin connectors; 2x10 unbalanced stereo audio, 1Vpp/150Ω on RCA connectors.
VIDEO BANDWIDTH (-3dB):	370MHz (composite to composite).
AUDIO BANDWIDTH (-3dB):	100kHz.
DIFF. GAIN:	0.05%.
DIFF. PHASE:	0.15Deg.
K-FACTOR:	<0.05%.
VIDEO S/N :	75.5dB.
AUDIO S/N :	80dB, 1Vpp unweighted.
VIDEO CROSSTALK:	-61dB @5MHz.
NON-LINEARITY:	0.1%.
CONTROL:	Y/C to Y/C or composite, composite to composite or Y/C, PAL/NTSC program switches.
COUPLING:	DC or AC (video); AC at input, DC at output (audio).
AUDIO THD:	0.046% @1kHz.
2nd HARMONIC:	0.003% @1kHz.
POWER SOURCE:	230V AC, 50/60Hz (115V USA), 14VA.
VIDEO MAX. OUTPUT LEVEL:	2.2Vpp, composite.
AUDIO MAX. OUTPUT LEVEL:	26.5Vpp.
AUDIO CROSSTALK:	-85dB @1kHz.
DIMENSIONS:	19" x 7" x 1U W, D, H, rack mountable.
WEIGHT:	3.8kg (8.4lbs) approx.
ACCESSORIES:	Power cord, rack "ears".

