



VM-5YCxl

DISTRIBUTION AMPLIFIERS

1:5 COMPOSITE VIDEO AND S-VIDEO WITH STEREO AUDIO DISTRIBUTION AMPLIFIER



DESCRIPTION

The VM-5YCxl is a unique dual format 1:5 distribution amplifier for composite video and s-Video (Y/C) signals with unbalanced stereo audio. The VM-5YCxl 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.

- High Bandwidth - 300MHz. (-3dB).
- Dual Format - The equivalent of two DAs in one box. The unit has a 1:5 composite video with stereo audio section and a 1:5 s-Video (Y/C) with stereo audio section.
- Built-in Bi-Directional Format Conversion - Can be a mixed output format 1:10 DA (5 composite video and simultaneously 5 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.
- Video Input Signal Termination.
- Video AC/DC Coupling Selection.
- Standard 19" Rack Mount Size - 1U.

SPECIFICATIONS

INPUTS:	1 composite video looping, 1Vpp/75Ω on a BNC connectors. 1 looping (Y), 1Vpp/75Ω (C) 0.3Vpp/75Ω on a 4p connector. 2 stereo audio looping 1Vpp/50 kΩ on RCA connectors.
OUTPUTS:	5 + 1 composite video, 1Vpp/75Ω on BNC connectors. 5 + 1 YC, Y=1Vpp/75Ω, C=0.3Vpp/75Ω on 4p connectors. 2 x 5 audio stereo, 1Vpp/100Ω on RCA connectors.
VIDEO BANDWIDTH(-3DB):	300 MHz (composite to composite or YC to YC).
AUDIO BANDWIDTH (-3DB):	100kHz.
DIFF. GAIN:	0.26%.
DIFF. PHASE:	0.11°.
K-FACTOR:	0.1%.
VIDEO S/N:	73.5dB.
AUDIO S/N:	87.4dB. unweighted (1Vpp.).
VIDEO CROSSTALK:	-58dB @ 5MHz.
NON LINEARITY:	0.05%.
CONTROL:	YC to YC or composite, composite to composite or YC program switches.
COUPLING:	DC or AC (video); AC (audio.).
AUDIO THD:	0.021%, 1kHz.
2ND HARMONIC:	0.003%, 1kHz.
POWER SOURCE:	230VAC 50/60Hz (115VAC U.S.A.), 12VA.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
WEIGHT:	2.5kg (5.6 lbs) approx.
ACCESSORIES:	Power cord.

