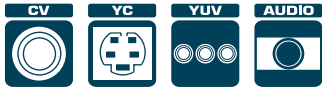


## VM-312

## 1:2 Multi-Format Video Distribution Amplifier with Stereo Audio



The **VM-312** is a multi-format video distribution amplifier for composite, s-Video (Y/C), and component (HDTV) signals with one audio input for an unbalanced stereo audio signal. It takes one input of each video format and one audio input on a 3.5mm mini jack and distributes each signal type to two identical outputs.

## FEATURES

- High Bandwidth - Composite: 490MHz (-3dB), s-Video (Y): 420MHz (-3dB) & Component: 450MHz (-3dB).
- HDTV Compatible - Component input.
- Desktop Size - Compact size. 2 units can be rack mounted side-by-side in a 1U rack space with the optional RK-1 adapter.

## TECHNICAL SPECIFICATIONS

<b>INPUTS:</b>	1 composite video on an RCA connector 1Vpp/75Ω; 1 component video (Y, B-Y, and R-Y) on RCA connectors 1Vpp/0.7Vpp/75Ω; 1 s-Video on a 4-pin connector 1Vpp/0.3Vpp/75Ω; 1 stereo unbalanced on a 3.5mm mini jack 4dBu/50kΩ.
<b>OUTPUTS:</b>	2 composite video on RCA connectors 1Vpp/75Ω; 2 component video (Y, B-Y, and R-Y) on RCA connectors 1Vpp/0.7Vpp/75Ω; 2 s-Video on 4-pin connectors 1Vpp/0.3Vpp/75Ω; 2 stereo unbalanced on 3.5mm mini jacks 4dBu/150Ω.
<b>MAX. OUTPUT LEVEL:</b>	Video: 1.8Vpp; Audio: 21Vpp.
<b>BANDWIDTH (-3dB):</b>	CV: 490MHz; YUV: 450MHz; Y/C: 420MHz; Audio: >100kHz.
<b>DIFF. GAIN:</b>	0.05%.
<b>DIFF. PHASE:</b>	0.03Deg.
<b>K-FACTOR:</b>	<0.05%.
<b>S/N RATIO:</b>	Video: 75dB; Audio: 82dB.
<b>CROSSTALK (all hostile):</b>	Video: -52dB @5MHz; Audio: -45dB video into audio @15kHz.
<b>COUPLING:</b>	Video: DC; Audio: Input: AC; output: DC.
<b>AUDIO THD + NOISE:</b>	0.047% @1kHz.
<b>AUDIO 2nd HARMONIC:</b>	0.001% @1kHz.
<b>POWER SOURCE:</b>	12V DC, 130mA.
<b>DIMENSIONS:</b>	21.5cm x 16.25cm x 4.36cm (8.45" x 6.39" x 1.72") W, D, H.
<b>WEIGHT:</b>	1.2kg (2.65lbs) approx.
<b>ACCESSORIES:</b>	Power supply.
<b>OPTIONS:</b>	RK-1 19" rack adapter.

