

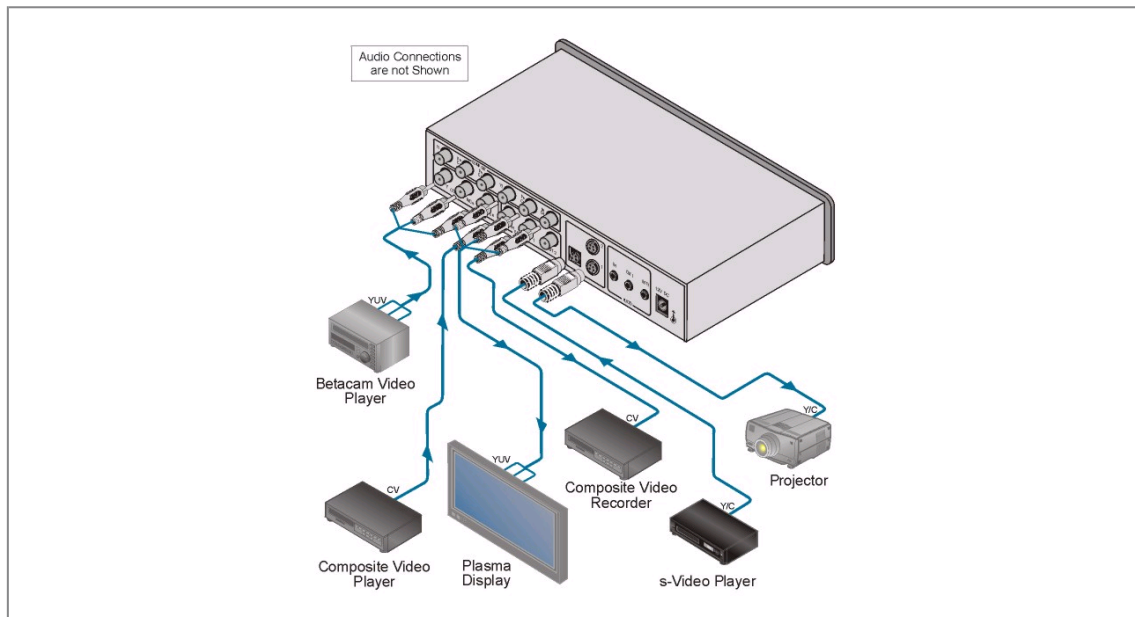


VM-312

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 connector and distributes each signal type to 2 identical outputs.





VM-312

FEATURES

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

TECHNICAL SPECIFICATIONS

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