

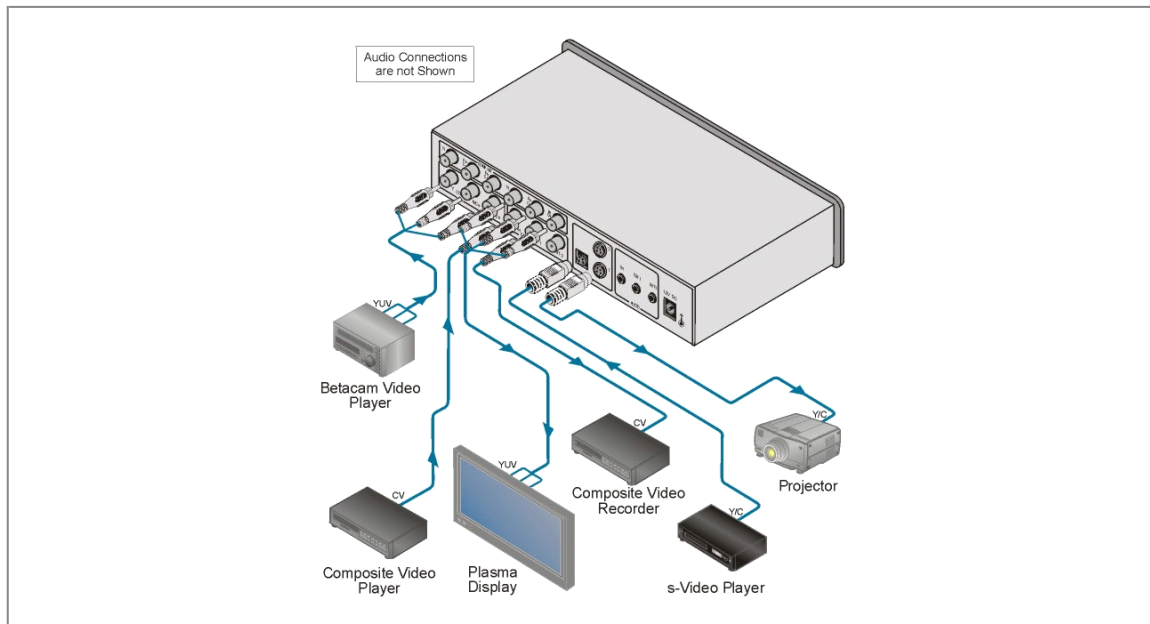


VM-312

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.





VM-312

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

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 4-pin connector 1Vpp/0.3Vpp/75Ω; 1 stereo unbalanced on a 3.5mm mini jack 4dBu/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 4-pin connectors 1Vpp/0.3Vpp/75Ω; 2 stereo unbalanced on 3.5mm mini jacks 4dBu/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: 0.03Deg.

K-FACTOR: <0.05%.

S/N RATIO: Video: 75dB; Audio: 82dB.

CROSSTALK (all hostile): Video: -52dB @5MHz; 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.

DIMENSIONS: 21.5cm x 16.25cm x 4.36cm (8.45" x 6.39" x 1.72") W, D, H.

WEIGHT: 1.2kg (2.65lbs) approx.

ACCESSORIES: Power supply.

OPTIONS: RK-1 19" rack adapter.