

# VM-100CA

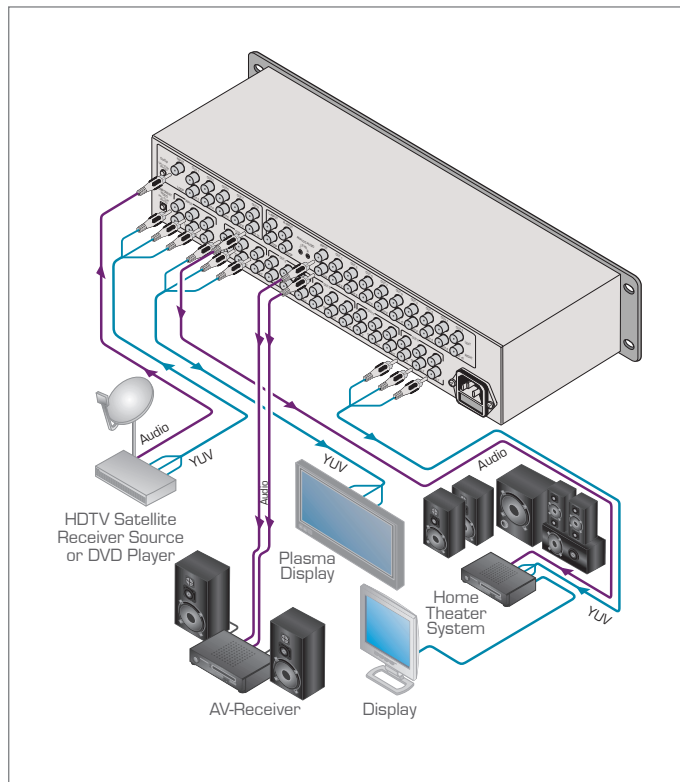
1:10 Component and Stereo or S/PDIF Audio Distribution Amplifier



## FEATURES

- High Bandwidth - 450MHz (-3dB).
- **Audio Section** - Accepts unbalanced stereo and/or S/PDIF audio.
- **Audio Level Gain Controls** - Unbalanced stereo.
- HDTV Compatible.
- Looping Input.
- **Video Level (Gain) and EQ (Peaking) Controls.**
- **Selectable Input Signal Termination** - Video and S/PDIF.
- **Worldwide Power Supply** - 100-240V AC.
- **Standard 19" Rack Mount Size** - 2U.

The **VM-100CA** is a distribution amplifier for component video with analog and digital audio signals. It takes one input of each signal type, provides correct buffering and isolation and distributes the signal to 10 identical outputs on RCA connectors.



## TECHNICAL SPECIFICATIONS

<b>INPUTS:</b>	1 component video (Y, Pb/Cb, Pr/Cr) 1Vpp/75Ω on RCA connectors; 1 digital audio (S/PDIF) 75Ω on RCA connectors; 1 unbalanced stereo audio +4dBu (nom.)/50kΩ on RCA connectors.
<b>OUTPUTS:</b>	10 component video (Y, Pb/Cb, Pr/Cr) 1Vpp/75Ω on RCA connectors; 10 digital audio (S/PDIF) 75Ω on RCA connectors; 10 unbalanced stereo audio +4dBu (nom.)/150Ω on RCA connectors.
<b>MAX. OUTPUT LEVEL:</b>	Video: 2.5Vpp; Audio: 27Vpp (unbalanced).
<b>BANDWIDTH (-3dB):</b>	Video: 450MHz, fully loaded. Audio: 100kHz (unbalanced).
<b>DIFF. GAIN:</b>	0.03%.
<b>DIFF. PHASE:</b>	0.03Deg.
<b>K-FACTOR:</b>	<0.05%.
<b>S/N RATIO:</b>	Video: 77dB; Audio: 75dB.
<b>CROSSTALK (all hostile):</b>	Video: -51dB. Level: -1dB to +6.4dB; EQ.: 0dB to +7.3dB; Audio: -87dB to +6.1dB.
<b>CONTROLS:</b>	
<b>COUPLING:</b>	Video: DC; Audio: Input: AC; Output: DC.
<b>AUDIO THD + NOISE:</b>	0.024%.
<b>AUDIO 2nd HARMONIC:</b>	0.002%.
<b>POWER SOURCE:</b>	100-240V AC, 50/60Hz; 18VA.
<b>DIMENSIONS:</b>	19" x 7" x 1U W, D, H, rack mountable.
<b>WEIGHT:</b>	3.7kg (8.2lbs) approx.
<b>ACCESSORIES:</b>	Power cord.

