



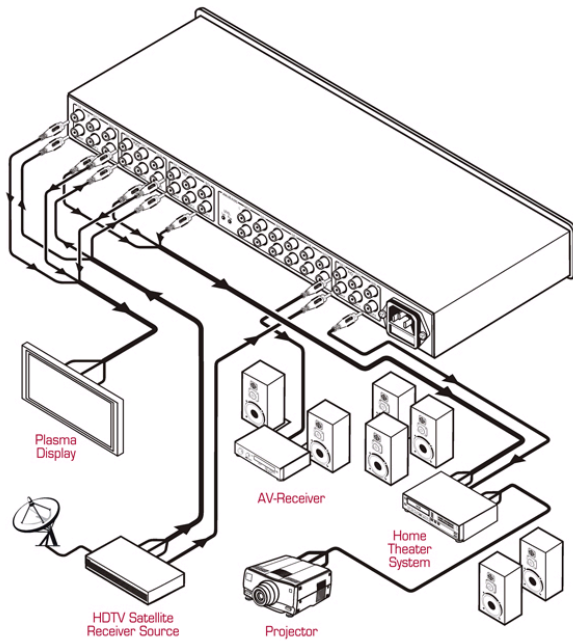
# VM-50CA

## DISTRIBUTION AMPLIFIERS

### 1:5 COMPONENT VIDEO, S/PDIF & STEREO AUDIO DISTRIBUTION AMPLIFIER



The VM-50CA is a high performance distribution amplifier for component video (YUV), S/PDIF and unbalanced stereo audio signals. It takes one input of each signal type, provides correct buffering and isolation, and distributes the signal to five identical outputs.



#### DESCRIPTION

- Bandwidth - 400MHz (-3dB)
- HDTV Compatible
- Level (Gain) & EQ (Peaking) Controls - Individual controls for each of the Component/HDTV video signals (Y, Pb, Pr)
- Level (Gain) Controls - Left & Right for unbalanced stereo audio.
- Standard 19" Rack Mount Size -1U

#### SPECIFICATIONS

<b>INPUTS:</b>	1 component video (Y, Pb/Cb, Pr/Cr); 1Vpp/0.7Vpp, 75Ω on 3 RCA connectors; 1 digital audio (S/PDIF) 75Ω on an RCA connector; 1 analog stereo audio 50kΩ, +4dBm on 2 RCA connectors
<b>OUTPUTS:</b>	5 component video (Y, Pb/Cb, Pr/Cr) 1Vpp/0.7Vpp, 75Ω on 15 RCA connectors; 5 digital audio (S/PDIF) on 5 RCA connectors; 5 analog stereo audio on 4dBm, 150Ω 10 RCA connectors
<b>MAX. OUTPUT LEVEL:</b>	VIDEO: 2.3Vpp; AUDIO: 1.8Vpp (S/PDIF); 22dBm (analog)
<b>BANDWIDTH (-3DB):</b>	VIDEO: 400MHz, Fully Loaded; AUDIO: 350MHz (S/PDIF); 40kHz (analog)
<b>DIFF. GAIN:</b>	0.08%
<b>DIFF. PHASE:</b>	0.05 Deg
<b>K-FACTOR:</b>	<0.05%
<b>S/N RATIO:</b>	VIDEO: 76dB @5MHz; AUDIO: 90dB (analog)
<b>CROSSTALK (ALL HOSTILE):</b>	AUDIO: -70dB @15kHz, video into audio
<b>CONTROLS:</b>	Y, Pb, Pr level: -1.2dB to +6.6dB; analog audio level: -67dB to +6.3dB; EQ. @50MHz: 0 to +5.9dB
<b>COUPLING:</b>	VIDEO: DC; AUDIO: analog: Input: AC; Output: DC; S/PDIF: DC
<b>AUDIO THD + NOISE:</b>	0.015% (analog) @1kHz
<b>AUDIO 2ND HARMONIC:</b>	0.003% (analog) @1kHz
<b>POWER SOURCE:</b>	100-240, 50/60Hz, 7VA
<b>DIMENSIONS:</b>	19-inch (W), 7-inch (D) 1U (H) rack-mountable
<b>WEIGHT:</b>	2.6kg (5.7lbs.) approx.
<b>ACCESSORIES:</b>	Power cord