

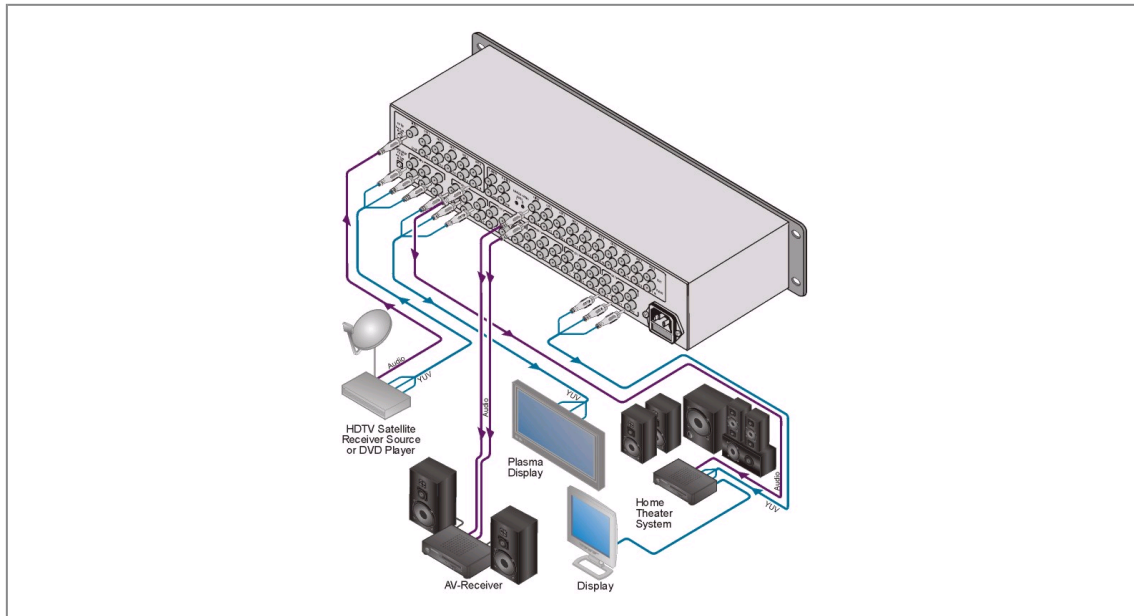


VM-100CA

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



The **VM-100CA** is a distribution amplifier for component video along 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.





VM-100CA

FEATURES

- High Bandwidth - 450MHz (-3db)
- Audio Section - Accepts Unbalanced Stereo and/or S/PDIF Audio.
- Audio Level Gain Controls - For Unbalanced Stereo
- HDTV Compatible
- Looping Inputs
- Video Level (Gain) and EQ (Peaking) Controls
- Selectable Input Signal Termination - Video and S/PDIF
- Worldwide Power Supply - 100-264V AC
- Standard 19" Rack Mount Size - 2RU

TECHNICAL SPECIFICATIONS

INPUTS: 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 +4dBm (nominal)/50kΩ on RCA connectors.

OUTPUTS: 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 +4dBm (nominal)/150Ω on RCA connectors.

MAX. OUTPUT VIDEO: 2.5Vpp; **AUDIO:** 1.8Vpp (S/PDIF); 27Vpp (unbalanced).

LEVEL: (S/PDIF); 27Vpp (unbalanced).

BANDWIDTH: (-3dB): VIDEO: 450MHz, Fully Loaded.

AUDIO: >100kHz (S/PDIF); 333MHz (unbalanced).

DIFF. GAIN: 0.03%

DIFF. PHASE: 0.03 Deg.

K-FACTOR: <0.05%

S/N RATIO: 77dB VIDEO: 87dB unweighted (S/PDIF); 75dB (unbalanced).

CROSSTALK (all hostile): VIDEO: -51dB AUDIO: <-59dB (S/PDIF) @5MHz (unbalanced).

CONTROLS: Level: -1dB to +6.4dB; Equalization: 0dB to +7.3dB; Audio: -87dB to +6.1dB.

COUPLING: VIDEO: DC AUDIO: Input: AC; Output: DC

AUDIO THD + NOISE: 0.024%

AUDIO 2nd HARMONIC: 0.002%

POWER SOURCE: 100-264 VAC, 50/60 Hz; 18 VA

DIMENSIONS: 19-inch (W), 7-inch (D) 2U (H) rack-mountable

WEIGHT: 3.7 kg (8.2 lbs.) approx.