

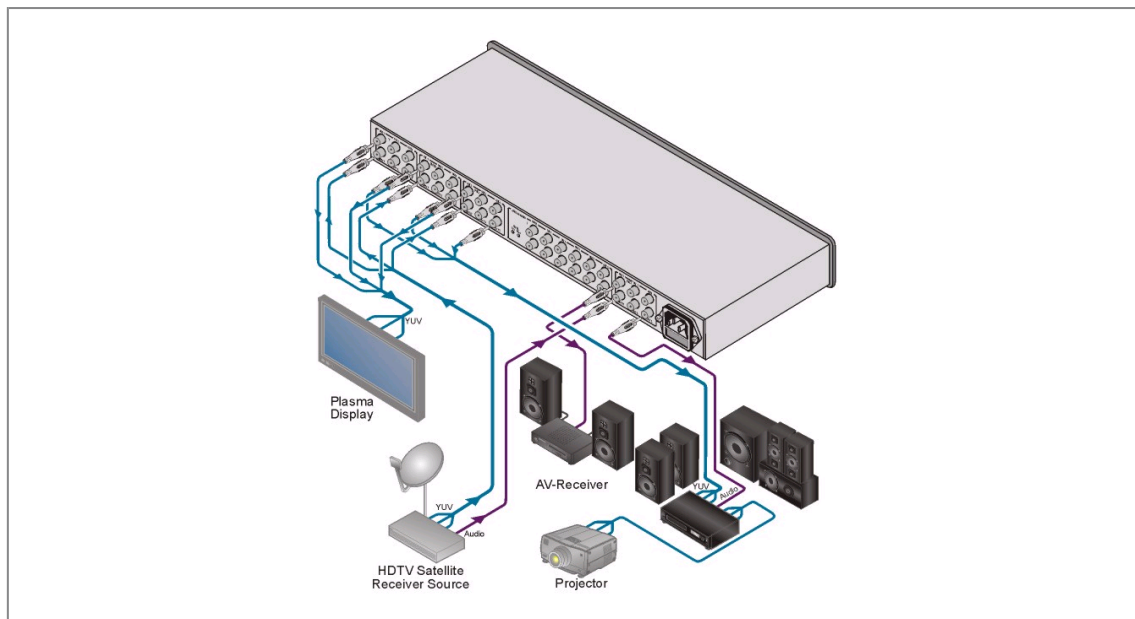


## VM-50CA

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.





## VM-50CA

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### FEATURES

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- 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

### TECHNICAL SPECIFICATIONS

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INPUTS:                  | 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 |
| OUTPUTS:                 | 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     |
| MAX. OUTPUT LEVEL:       | VIDEO: 2.3Vpp; AUDIO: 1.8Vpp (S/PDIF); 22dBm (analog)                                                                                                                              |
| BANDWIDTH (-3dB):        | VIDEO: 400MHz, Fully Loaded; AUDIO: 350MHz (S/PDIF); 40kHz (analog)                                                                                                                |
| DIFF. GAIN:              | 0.08%                                                                                                                                                                              |
| DIFF. PHASE:             | 0.05 Deg                                                                                                                                                                           |
| K-FACTOR:                | <0.05%                                                                                                                                                                             |
| S/N RATIO:               | VIDEO: 76dB @5MHz; AUDIO: 90dB (analog)                                                                                                                                            |
| CROSSTALK (all hostile): | (all AUDIO: -70dB @15kHz, video into audio)                                                                                                                                        |
| CONTROLS:                | Y, Pb, Pr level: -1.2dB to +6.6dB; analog audio level: -67dB to +6.3dB; EQ. @50MHz: 0 to +5.9dB                                                                                    |
| COUPLING:                | VIDEO: DC; AUDIO: analog; Input: AC; Output: DC; S/PDIF: DC                                                                                                                        |
| AUDIO THD + NOISE:       | 0.015% (analog) @1kHz                                                                                                                                                              |
| AUDIO 2nd HARMONIC:      | 0.003% (analog) @1kHz                                                                                                                                                              |
| POWER SOURCE:            | 100-240, 50/60Hz, 7VA                                                                                                                                                              |
| DIMENSIONS:              | 19-inch (W), 7-inch (D) 1U (H) rack-mountable                                                                                                                                      |
| WEIGHT:                  | 2.6kg (5.7lbs.) approx.                                                                                                                                                            |
| ACCESSORIES:             | Power cord                                                                                                                                                                         |
| OPTIONS (VM-30CA):       | RK-1 19" rack adapter.                                                                                                                                                             |