

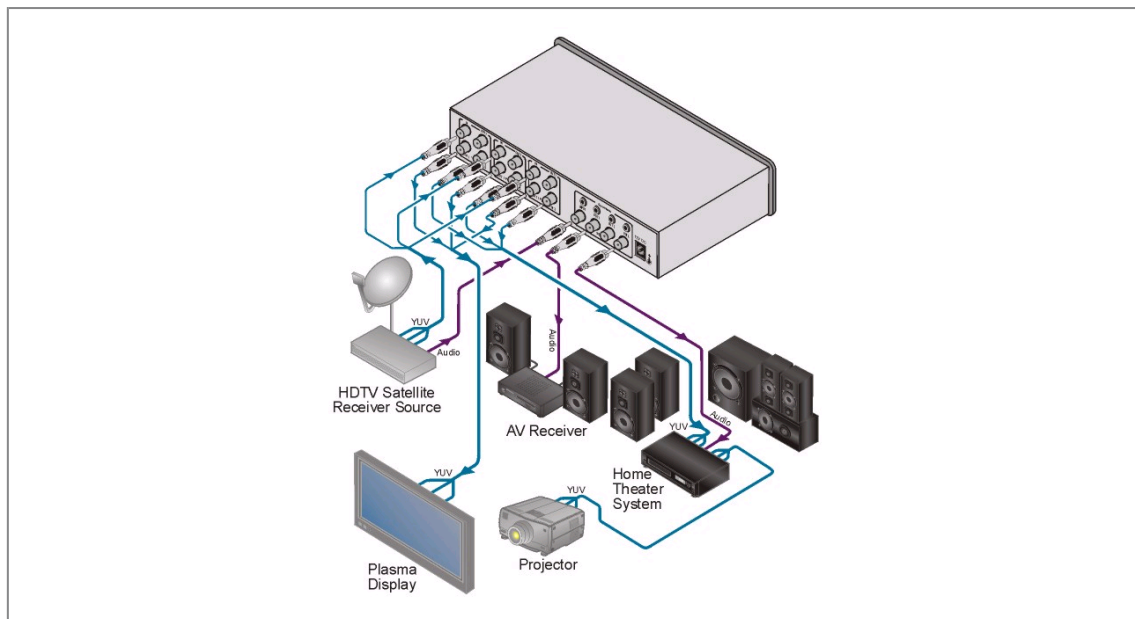


## VM-30CA

1:3 Component Video, S/PDIF & Stereo Audio Distribution Amplifier



The **VM-30CA** 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 three identical outputs.





## VM-30CA

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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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|---------------------|--|
| DIFF. GAIN:         | 0.03%  |
| DIFF. PHASE:        | 0.03 Deg   |
| K-FACTOR:           | <0.05%   |
| S/N RATIO:          | VIDEO: 74dB; AUDIO: 87dB (analog)  |
| CONTROLS:           | Level: -4.1dB to +6.4dB;<br>Equalization: 0dB to +6.3dB;<br>Audio: -70dB to +6.2dB   |
| COUPLING:           | VIDEO: DC; AUDIO: Input: AC;<br>Output: DC   |
| AUDIO THD + NOISE:  | 0.065%   |
| AUDIO 2nd HARMONIC: | 0.002%   |
| POWER SOURCE:       | 12V DC 500mA   |
| DIMENSIONS:         | 21.5cm x 16.3cm x 4.4cm (8.4" x 6.4" x 1.7") W, D, H   |
| WEIGHT:             | 3.7 kg (8.2 lbs.) approx.  |
| ACCESSORIES:        | Power supply   |
| OPTIONS:            | RK-1 Rack adapter  |
| INPUTS:             | 1 component video (Y, Pb/Cb, Pr/Cr) 1Vpp, 0.7Vpp, 0.7Vpp / 75Ω on RCA connectors; 1 digital audio (S/PDIF) 75Ω on RCA connectors; 1 unbalanced stereo audio +4dBm (nominal)/50kΩ on RCA connectors |
| OUTPUTS:            | 3 component video (Y, Pb/Cb, Pr/Cr) 1Vpp, 0.7Vpp, 0.7Vpp / 75Ω on RCA connectors; 3 digital audio (S/PDIF) 75Ω on RCA connectors; 3 unbalanced stereo audio +4dBm (nominal)/150Ω on RCA connectors |
| MAX. OUTPUT LEVEL:  | VIDEO: 2.3Vpp; AUDIO: 1.8pp (S/PDIF); 25dBm (analog)   |
| BANDWIDTH (-3dB):   | VIDEO: 400MHz, Fully Loaded; AUDIO: >100kHz  |