



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.

FEATURES

- High 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. Rack "ears" included.



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TECHNICAL SPECIFICATIONS

INPUTS:	1 component video (Y, Pb/Cb, Pr/Cr), 1Vpp/0.7Vpp, 75Ω on 3 RCA connectors; 1 S/PDIF, 75Ω on an RCA connector; 1 unbalanced stereo audio, 50kΩ, +4dBu on 2 RCA connectors.
OUTPUTS:	5 component video (Y, Pb/Cb, Pr/Cr), 1Vpp/0.7Vpp, 75Ω on 15 RCA connectors; 5 S/PDIF on 5 RCA connectors; 5 unbalanced stereo audio 150Ω, 4dBu on 10 RCA connectors.
MAX. OUTPUT LEVEL:	Video: 2.3Vpp; Audio: 1.8Vpp (S/PDIF); 22dBu (analog).
BANDWIDTH (-3dB):	Video: 400MHz, Fully Loaded; Audio: 350MHz (S/PDIF); 40kHz (analog).
DIFF. GAIN:	0.08%.
DIFF. PHASE:	0.05Deg.
K-FACTOR:	<0.05%.
S/N RATIO:	Video: 76dB @5MHz; Audio: 90dB (analog).
CROSSTALK (all hostile):	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 CONSUMPTION:	100-240V AC, 50/60Hz, 7VA.
DIMENSIONS:	19" x 7" x 1U W, D, H, rack mountable.
WEIGHT:	2.6kg (5.7lbs) approx.
INCLUDED ACCESSORIES:	Power cord, rack "ears".

