



1:3 Audio Video Distributor

VM-30AVB

The Kramer VM-30AVB is an exceptionally high performance 1:3 distribution amplifier for video and stereo audio signals. The VM-30AVB uses BNC connectors for the video signals, and RCAs for the audio signals. The machine accepts one input and distributes the signal to three identical outputs. The VM-30AVB is typically used for composite video sources such as VCR's, cameras, etc., but video bandwidth exceeding 430MHz allows the machine to be used for high-resolution data/video signals, SDI (serial digital) video,

and other specialized signals. The machine includes a button control for audio level as well as trimmers for controlling video level and cable EQ, accessible via the front panels. The VM-30AVB is rugged, dependable, and is housed in a convenient small enclosure for desktop professional and home use, but can also be rack mounted using the RK-50RN kit, which holds two units in one vertical space of a standard 19" rack. The machine is fed from an external 12Volt DC source, and is therefore suitable for fieldwork as well.



TECHNICAL SPECIFICATIONS

INPUTS:	1 video, 1 Vpp/75 on a BNC connector. 1 audio stereo, 1Vpp/70k on RCA connectors.
OUTPUTS:	3 video, 1 Vpp/75 on BNCs. 3 audio stereo, 1Vpp/150 on RCA connectors.
MAX. OUTPUT LEVEL:	Video: 2Vpp /75 , Audio: 5.4 Vpp / 150 .
BANDWIDTH (-3dB):	Video: 430 MHz -3dB, Audio: 100 kHz -3dB.
DIFF. GAIN:	0.04 %.
DIFF. PHASE:	0.07 deg.
K-FACTOR:	<0.05 %.
S/N RATIO:	Video: 73 dB, Audio: 83 dB.
CONTROLS:	Video Level: -1.1 to +1.8 dB, EQ.: 0 to +4.6 dB @ 5.8 MHz. Audio Level: -66 to +16 dB.
COUPLING:	AC.
AUDIO THD+NOISE:	<0.3%.
AUDIO 2nd HARMONIC:	<0.02%.
POWER SOURCE:	12 VDC, 50 mA typ.
DIMENSIONS:	16.5cm X 12cm X 4.5cm (6.5" X 4.7" X 2.8") W, D, H.
WEIGHT:	0.65 kg (1.4 lbs.) approx.
ACCESSORIES:	12 VDC power supply, brackets for stacking multiple units.
OPTIONS:	19" rack adapter RK-50RN (see page 6.30 for details).

TYPICAL APPLICATIONS

- Production and duplication facilities.
- Schools, boardrooms, any A/V system requiring high quality signal distribution.
- Retail stores, point of sale systems, CCTV and security applications.