

1:2 Video Audio Distribution Amplifier

VM-2N

The Kramer VM-2N is an exceptionally high performance distribution amplifier for composite video and audio stereo signals. It is designed to accept one set of inputs, provide correct buffering and isolation, and distribute the signal to two identical outputs. Bandwidth exceeding 400MHz ensures transparent performance, and allows the VM-2N to be used for specialized high-resolution analog signals.

Video output signals are DC coupled, and the dual-RCA audio section can easily be adapted for a balanced mono signal as the audio performance and levels are appropriate for use in the most demanding applications. The VM-2N is rugged, dependable, and is housed in a compact desktop sized enclosure but two VM-2N's can be mounted in one vertical space of a professional 19" rack using the RK-50RN kit.



TECHNICAL SPECIFICATIONS

INPUTS:	1 video DC coupled, 1Vpp / 75 Ω on a BNC connector. 1 audio stereo / balanced mono, +4dBm / 50k Ω on RCAs.
OUTPUTS:	2 video, 1 Vpp / 75 Ω on BNC connectors. 2 audio stereo / balanced mono, +4dBm / 50 Ω on RCAs.
VIDEO BANDWIDTH:	400MHz. -3dB.
AUDIO S/N:	Better than 85dB.
SDI EFF. RANGE:	Up to 50 meters.
AUDIO THD+N:	0.017%.
COUPLING:	DC (video), AC (audio).
MAX. AUDIO LEVEL:	>24 dBm.
DIFF. GAIN:	0.05 %.
AUDIO BANDWIDTH:	20 kHz -1dB.
DIFF. PHASE:	0.1 Deg.
VIDEO S/N RATIO:	75 dB.
K-FACTOR:	<0.05%.
POWER SOURCE:	230 VAC, 50/60 Hz, (115V U.S.A.), 4.6 VA.
DIMENSIONS:	16.5cm x 12cm x 4.5cm (6.5" x 4.7" x 1.7"), W, D, H.
WEIGHT:	0.62 kg. (1.3 lbs.) approx.
ACCESSORIES:	Power cord.
OPTIONS:	19" rack adapter RK-50RN (see page 6.23 for details).

TYPICAL APPLICATIONS

- Any professional A/V system requiring a compact, high quality DA.
- Retail stores and other point-of-sale display systems.
- Security and CCTV applications.
- Studio RGB/YUV distribution using several VM-2N's operating in parallel.