



VP-6A

1:6 Computer Graphics Video & Audio Distribution Amplifier with Twisted Pair Transmitter



The VP-6A is a high-performance distribution amplifier for computer graphics video signals with resolutions up to and exceeding UXGA and balanced or unbalanced stereo audio signals. It takes one input, provides correct buffering and isolation, and distributes the signal to six computer graphics video outputs on 15-pin HD connectors and one AV twisted pair output on an RJ-45 connector.

FEATURES

- High Bandwidth (15-pin HD) - 500MHz (-3dB).
- Max. Resolution (Twisted Pair Output) - WUXGA & 1080p.
- HDTV Compatible.
- Built-In Audio Transcoding - Balanced or unbalanced stereo input with 12 live outputs (6 balanced and 6 unbalanced).
- Audio Level Controls - Left & right.
- Power Connect™ System - A single connection to the VP-6A powers both transmitter and receiver when the devices are within 150ft (50m) of each other.
- ID Bit Control.
- EQ (Peaking) Control.
- Horizontal and Vertical Polarity Selection.
- System Range - Up to 100m (300ft). Greater distances possible depending on signal resolution and cable.
- Cable - UTP (unshielded twisted pair) or STP (shielded twisted pair) cable such as CAT 5.
- Standard 19" Rack Mount Size - 1U.



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TECHNICAL SPECIFICATIONS

INPUTS:	1 UXGA on a 15-pin HD (F) connector, 1 unbalanced stereo audio on a 3.5mm mini jack, 1 balanced stereo audio on a 5-pin terminal block connector.
OUTPUTS:	6 UXGA on 15-pin HD (F) connectors, 1 twisted pair on an RJ-45 connector, 6 unbalanced stereo audio on 3.5mm mini jacks; 6 balanced stereo audio on 5-pin terminal block connectors.
MAX. OUTPUT LEVEL:	Video: 1.7Vpp; Audio: 26Vpp.
BANDWIDTH (-3dB):	Video: 500MHz (15-pin HD); Audio: >100kHz.
DIFF. GAIN:	0.09%.
DIFF. PHASE:	0.01Deg.
K-FACTOR:	<0.05%.
S/N RATIO:	Video: 72dB; Audio: 88dB.
CONTROLS:	XGA: 0 to +10dB EQ. @50MHz; Audio: 0 to +9.9dB level.
COUPLING:	Video: DC; Audio: Input: AC, Output: DC.
AUDIO THD + NOISE:	0.015%.
AUDIO 2nd HARMONIC:	0.004%.
POWER CONSUMPTION:	230V AC, 50/60Hz, (115V AC, USA), 17.5VA.
DIMENSIONS:	19" x 7" x 1U W, D, H, rack mountable.
WEIGHT:	2.7kg (6lbs) approx.
ACCESSORIES:	Power cord.

