VA-22/VA-23

Video-Audio Transmitter / Receiver

MIC   **CV**   **PHONES**

The Kramer **VA-22** video and audio transmitter and the **VA-23** video and audio receiver, work as a pair for transmitting video downstream while receiving headphone-level audio; and receiving video while transmitting an amplified microphone signal upstream, using a single coax wire. The **VA-23** allows selection between condenser and dynamic microphones as well as microphone level control, while the **VA-22** allows headphone level control. They allow, for example, a directors comments to be transmitted to the cameraman while receiving the video image on the same cable. A 12VDC power supply is included with each unit for typical operation, but the optional VA-50P can power up to six Kramer devices requiring 12VDC. The **VA-22** and **VA-23** are part of the Kramer TOOLS family of compact, high quality, and cost effective solutions for a variety of applications.

TECHNICAL SPECIFICATIONS

VA-22

INPUTS:	1 composite video, 1Vpp/75Ω on a BNC connector.
OUTPUTS:	Mixed line out, 1Vpp/75Ω on a BNC. Headphone out, 100 mΩ/8Ω on a 6.5mm phone connector.
BANDWIDTH(PAIR)(-3dB):	Video: 20 MHz. Audio: 30 kHz.
DIFF. GAIN (PAIR):	0.06%.
DIFF. PHASE (PAIR):	0.2 Deg.
K-FACTOR (PAIR):	0.3%
VIDEO S/N (PAIR):	82 dB.
CONTROL:	Mic level: 20 dB control, Headphone: -60 to +5dB control.
POWER SOURCE:	12 VDC 60mA max.
DIMENSIONS:	12cm x 7.5cm x 2.5cm (4.7" x 2.95" x 0.98", W, D, H.).
WEIGHT:	0.28 Kg. (0.62 lbs.) approx.
ACCESSORIES:	Power supply, mounting bracket.
OPTIONS:	RK-T1, RK-T3, 19" rack adapters.

VA-23

1 mixed line in, 1Vpp/75Ω on a BNC connector
1 Mic, 3 mV, 10 kΩ, (Condenser or Dynamic switch selectable) on a 6.5mm phone connector.
1 composite video, 1Vpp/75Ω on a BNC connector.

TYPICAL APPLICATIONS

- Director - Cameraman communication.
- Small studio control.
- Security and CCTV applications.