

VGA + Audio and Uni-Directional RS-232 Sender



Features

- Sends PC or HD video, Audio (L+R Mixed) and Uni-directional RS-232 over single CATx
- Wide bandwidth to transmit WUXGA signals (1920x1200 / 60hz) or HD Analog Component (1080p)
- Compensation for UTP cable to 500 ft
- No power supply required for local unit - when powered from VESA compliant VGA Source
- DDC compliant EDID emulation on the Sender
- Supports all baud rates to 115 Kbps

Description

The Model UV232A-S is used to send high resolution video, Audio (L+R Mixed) and uni-directional RS-232 over a single twisted-pair cable to a remote location up to 500 feet away.

The input video can be from a RGBHV (PC video to WUXGA) or YPbPr (HD analog component to 1080p). DDC compliant EDID emulation assures proper PC boot-up with video output. The Uni-directional RS-232 can be used to control LCD's or Projectors that have RS-232 control. When the Sender is powered from a VESA compliant VGA source (+5v on Pin 9) a power supply (included) is optional.

Applications include kiosk solutions, conference halls, digital signage, interactive operator systems, factory or laboratory data acquisition and control, and more.

It is recommended that for best image quality low-skew UTP cables be utilized (such as Hall Research's Zero-Skew cables), otherwise at long distances (>200ft) and high-resolutions, RGB skew may be present and a separate skew corrector (Model SKU-RGB) or skew correctable receiver should be used.

Specifications

Standards:	Analog VGA Video (RGBHV), YPbPr, or RGB signals with sync-on-green.
Resolutions:	All up to WUXGA (1920x1200 / 60Hz), 1080p
Video Level:	0.7 v p-p on RGB, 5v p-p H/V sync
Bandwidth:	20 Hz to 450 MHz Common Mode Noise Rejection:100 dB @ 60 Hz, 70 dB @ 1 MHz, 50 db @ 10 MHz
Max Distance:	Up to 500 ft. (152 meters) based on resolution
Temperature:	Operating: 32 to 122 Deg F (0 to 50 Deg C);
Storage:	-40 to +185 Deg F (-40 to +85 Deg C)
Enclosure:	Aluminum
MTBF:	100,000 hours (calculated estimate)
Power:	Via the included power adapter. Voltage: 6v DC Center-Positive. Average Power Consumption: 200mA (Sender) 160mA (Receiver)
Size (H x W x D):	1.25" H x 2.75" W x 3.08" D* Each Device *Units have 2 mounting ears that protrude 0.40" beyond the main box on each side. RS232 Connections:Pin 2 = RX Pin 3 = TX Pin 5 = GND