



VCA100

**BROADCAST HIGH RESOLUTION UXGA AND STEREO AUDIO
USING A SINGLE CAT5 THAT REACHES UP TO 1,000 FT**

Enhanced media distribution and extension via CAT5

**Broadcast high resolution video and stereo audio over
CAT5 cabling up to 1,000 ft away.**

Use a single CAT5 cable to extend high-resolution VGA video extender (supports WUXGA) and stereo audio 1,000 feet away, at the most affordable price on the market.

FEATURES:

- Uses easy to install, inexpensive CAT-5/5e/6/7/8.
- Output reaches up to 1,000 feet (300 m).
- Supports high resolution clear video up to 1900 x1200.
- HDTV compatible (720p, 1080i, 1080p).
- 300 MHz Bandwidth.
- Sends high-resolution XVGA and Stereo Audio signals.
- Compatible with VGA, XGA, Sun, MAC and SGI signals.
- Sync Format / Polarity Preservation.
- Compatible with Line Level Stereo Audio Signals.
- High ground loop immunity.
- Built-in lightning, power surge and transient protection.
- Designated trimmer in the remote unit to compensate for cable length.
- Compact metal case enclosure.
- Optional power supply for remote unit.
- Remote units come with buffered outputs.

APPLICATIONS:

Presentations

Enhances any presentation from commercial products to corporate financial data. It can be used in show rooms, board rooms, trade shows and window displays.

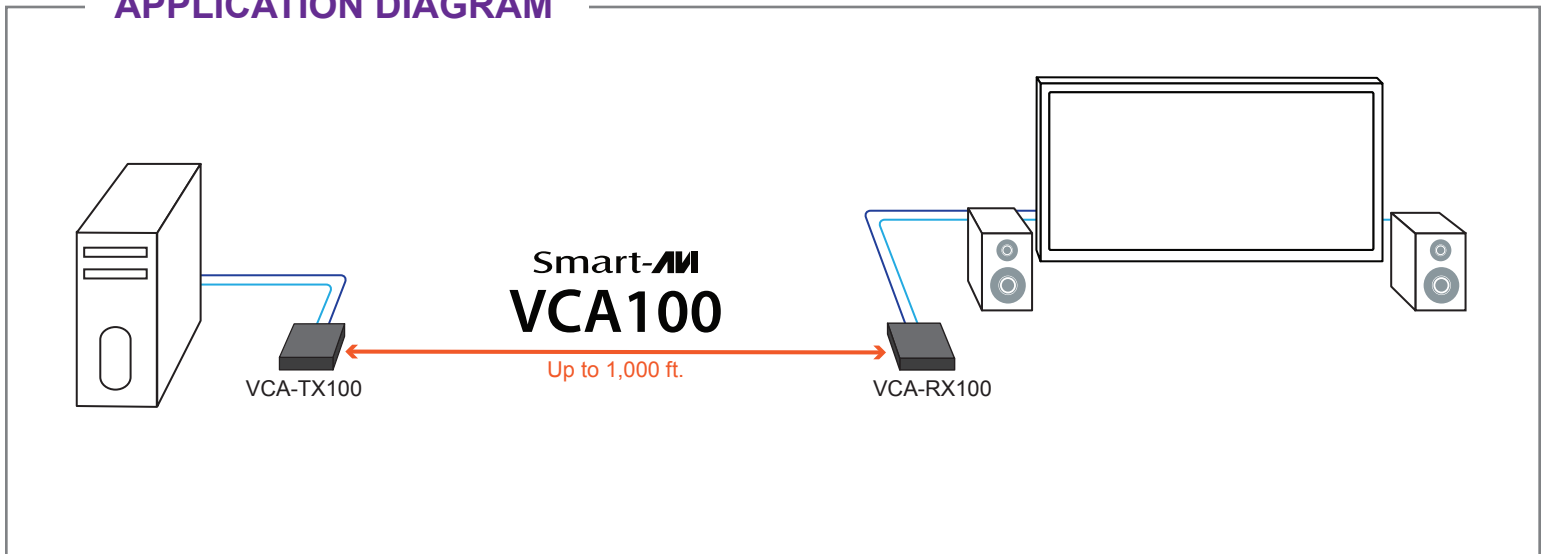
Data Broadcasting

Data such as news, stock prices, sports results, and flight information can be broadcast in real time to various monitors.

Learning and Training

Can be used in educational presentations to multiple locations, in schools and in other training facilities.

APPLICATION DIAGRAM



VCA100 Front



VCA100 Back



SPECIFICATIONS

VCA100 Specifications

VIDEO	
Bandwidth	400MHz
Analog Signal Level	1 Volt
Impedance	75 ohms
Connector	High Density HD15
Format	VGA/SVGA/XGA/UXGA/RGBHV/RGsb
Sync	TTL Horizontal Sync Range: 15 to 130 KHz Vertical Sync Range 30 to 120 Hz
AUDIO	
Bandwidth	20KHz
Signal Level	0db
Impedance	10K ohms
Connector	3.5mm jack socket

SYSTEM CABLE	
Type	CAT5 UTP EIA 568A
Connector	RJ45
POWER	
Requirements	5V DC @ 500mA
Connector	5x2.1mm DC jack

ORDERING INFORMATION

Part No.	Description
VCA-100S	VCA UXGA/Audio Transmitter
VCA-TX100S	VCA UXGA/Audio Receiver
VCA-RX100S	UXGA/Audio CAT5 Receiver. Includes: [VCA-RX100 & (PS5VD2A)]



Designed and Manufactured in the USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION