

VCT-100



BROADCAST HIGH RESOLUTION UXGA USING A SINGLE CAT5
THAT REACHES UP TO 1,000 FT AWAY

Enhanced media distribution and extension via CAT5

Broadcast high resolution video over CAT5 cabling up to 1,000 ft away.

The VCAT range of products allows the extension of a wide range of video formats via a single Category 5 Unshielded Twisted Pair (UTP) cable. Using a unique method of data transfer, the system allows a display device to be situated up to 1000ft (300 meters) from the source.

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.
- 300 MHz Bandwidth.
- Sends high-resolution UXGA and power signals over single CAT5.
- Compatible with VGA, XGA, Sun, MAC and SGI signals.
- Sync Format / Polarity Preservation.
- 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.

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.

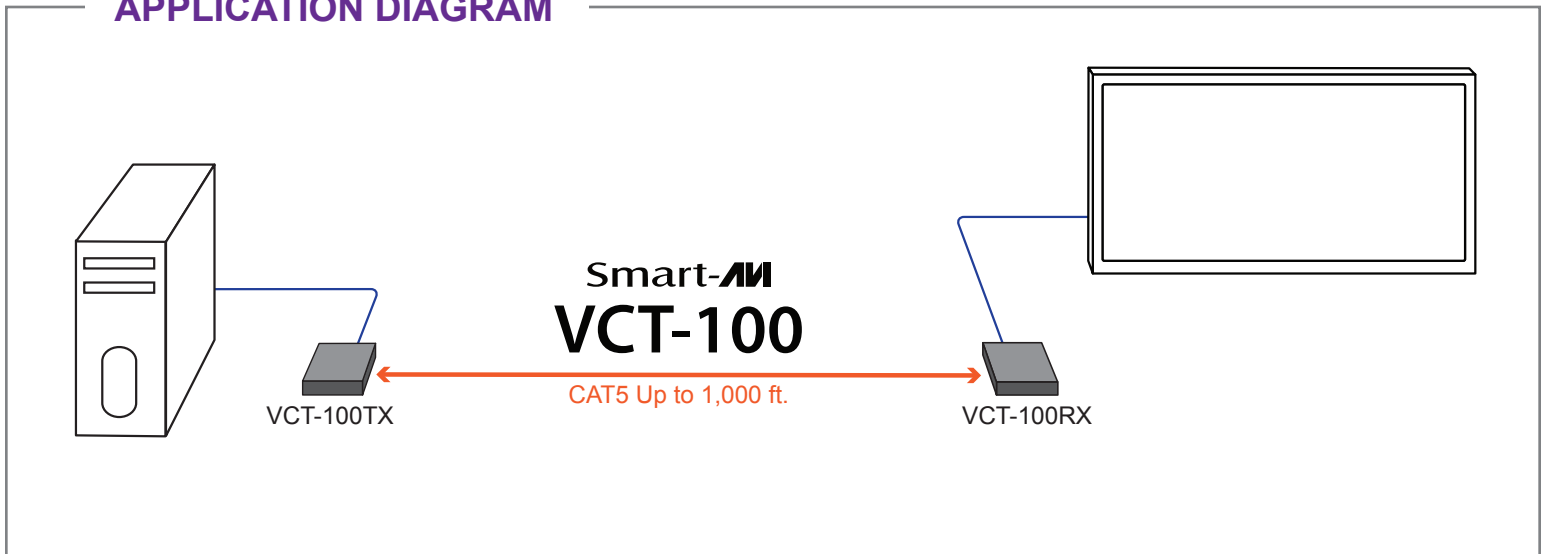
Learning and Training

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

Data Broadcasting

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

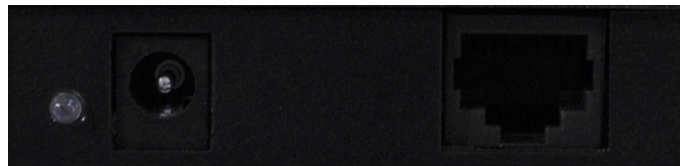
APPLICATION DIAGRAM



VCT Front



VCT Back



SPECIFICATIONS

VCT Specifications

VIDEO	
Bandwidth	300MHz
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
MECHANICAL	
Height	0.85 in. (2.16 cm.)
Width	2.81 in. (7.14 cm.)
Depth	3.44 in. (8.74 cm.)
Weight	0.25 lb. (0.11 kg.)

SYSTEM CABLE	
Type	CAT5 UTP EIA 568A
Connector	RJ45
POWER	
Requirements	5V DC
Connector	5 x 2.1mm DC jack

ORDERING INFORMATION

Part No.	Description
VCT-100S	UXGA/Audio Point-to-Point CAT5 Extender. Includes: [VCA-TX100, VCA-RX100, (CCV-GAMM06), & 2 x (PS5VD2A)]
VCT-TX100S	UXGA/Audio CAT5 Transmitter. Includes: [VCA-TX100, (CCV-GAMM06), & (PS5VD2A)]
VCT-RX100S	UXGA CAT5 Receiver. Includes: [VCT-RX100 & (PS5VD2A)]



Designed and Manufactured in the USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION