

# 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 SyncRange: 15 to 130 KHz<br>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, (CCVGAMM06), & (PS5VD2A)]                             |
| VCT-RX100S | UXGA CAT5 Receiver. Includes: [VCT-RX100 & (PS5VD2A)]                                                    |



Designed and Manufactured in the USA

**Smart-AVI**  
SMART AUDIO VIDEO INNOVATION