

General:

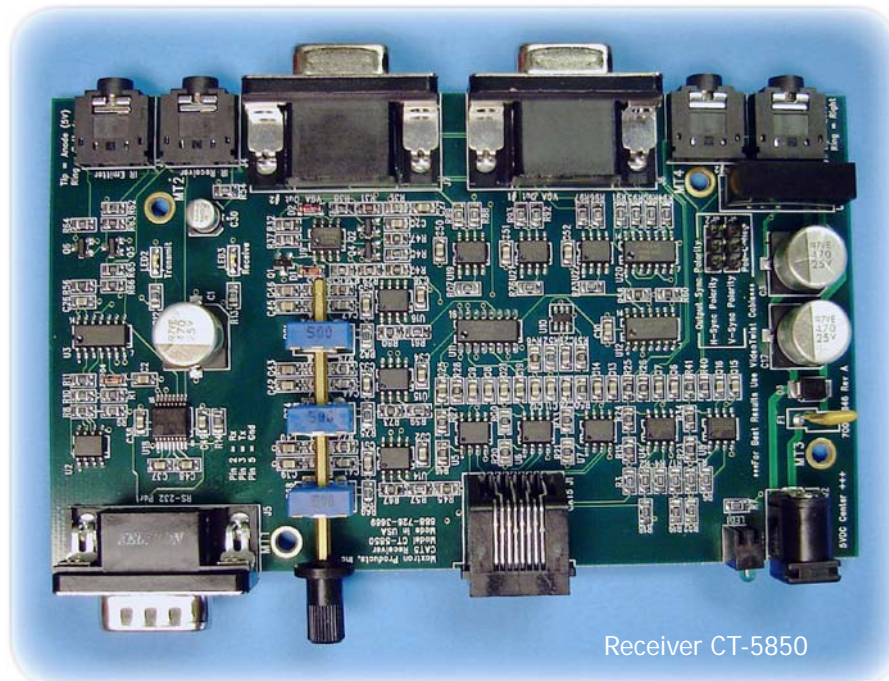
The Maxtron CT-5800/5850 CAT5 Transmitter/Receiver links stereo audio, RGBHV video, and RS-232 or IR between distant points using a single inexpensive CAT5/CAT5e/CAT6/7/8 UTP cable. These are very cost effective, third-generation products which utilize application specific linear devices to provide the fastest video rise times and pixel cycling possible over UTP cable. The CT-5800 Transmitter features loop-thru VGA and audio inputs, while the CT-5850 Receiver supports dual VGA monitors and dual stereo outputs eliminating breakout boxes and distribution amplifiers in many system configurations.

Transporting VGA over UTP cable requires an infinitely variable, multi-pole, state-variable filters to allow the user to compensate for the exact cable characteristics unique to their system. Because the properties of UTP cables are so well documented, a computer modeled equalizer was designed to allow a single external adjustment to compensate for the frequency, tilt, and gain loss characteristics of the UTP cable. Whether the distance between the transmitter and receiver is 25 feet or 1000 feet, only a single knob needs to be turned to calibrate the entire system, and to secure this calibration, the knob with hex-shaft is easily removed.

Powered at each end by standard 5V wall mounted power supplies, and protected with automatic reset fuses, these units incorporate built-in power surge and transit protection. The CT-5850 receiver also includes an isolated power supply for protection against ground loops. Additionally, these products are available in enclosures with integrated mounting tabs, or without enclosures - for box-free or branded installs.

Features:

- Maximum Resolution 2048H x 1536V
- Cable EQ/Gain range up to 1,000 feet (300 m)
- Adjustable EQ/Gain using a single control
- Loop-thru Stereo Audio and VGA inputs
- Dual Stereo Audio and VGA outputs
- 300MHz Video Bandwidth and Unity Gain
- Line Level Audio inputs/outputs (-10dBv)
- Bidirectional RS-232 or IR-link control paths
- Communication LEDs for reporting RS-232 or IR-link activity
- Sync polarity preservation or conversion
- Designed-in surge, transit, and ground-loop protection
- Card-based transmitters and receivers available for box-free installs
- Green friendly - total system power requirements is less than 2.5W



Receiver CT-5850