

## [Kramer Introduces New HDMI-Coax Transmitter and Receiver](#)

Kramer TOOLS™ Products Provide Long-range Extensions over Existing Coax Cable

Kramer Electronics, a worldwide supplier of innovative and reliable signal management products, is pleased to announce the introduction of the 640T HDMI-Coax Transmitter and 640R Coax-HDMI Receiver. The two units are the latest additions to the company's TOOLS line of compact solution products.

The 640T and 640R are ideal for boardroom and projection applications, as well as long-range multimedia extensions for schools, hospitals, security and retail applications. Many installations have existing RGBHV cable infrastructures in place and the 640T and 640R allow existing cabling to be used to send HDCP-compliant HDMI signals over long distances.

The units feature Plug and Play installation with no adjustments. Both offer full support for HDMI 1.3 up to 10.2 Gbps. They are most useful for upgrading analog installations to digital and they can extend signal distribution up to 500 ft. depending on signal resolution and the gauge of wire used in the cabling.

The 640T HDMI-Coax Transmitter receives an HDMI signal, codes it, and transmits red, green, blue and clock signals over coaxial cables to the 640R Receiver. The transmitter features digital signal transmission without compression or conversion. It has a single HDMI input, five BNC connectors and a bandwidth of up to 3.4 Gbps per graphic channel. It also transmits power and infrared signals.

A unique feature of the 640T and 640R is that both power and infrared signals are bi directional. Through the use of optional IR emitters or sensors, IR signals can be transmitted in either direction, from the source to control the display or from the display to control products at the source location. For power, only one unit, the transmitter or receiver needs to be powered as the power travels in either direction from the unit that is powered to the unit that is not.

The 640R Coax-HDMI Receiver accepts the coded coaxial signal transmitted by the 640T HDMI-Coax Transmitter, decodes the red, green, blue and clock components and converts them to HDMI output. The receiver features five BNC input connectors and one HDMI output, as well as an IR input and output

on a 3.5mm mini jack. The 640R also supports up to 1.65Gbps bandwidth per graphic channel.