

## Model URG-SKU

### VGA over Twisted-Pair Receiver with 5<sup>th</sup> Order Equalizer and RGB Skew Correction



### Features

- Receives VGA on a single CATx cable
- Compatible with UV1/2/4/8-S transmitters
- Adjustable cable length compensation to 1000 ft
- Digitally controlled adjustment eliminates tweaking pots
- Supports resolutions up to 1920x1200 at any refresh rate
- Differential signaling eliminates ground loops and noise
- Compact & rugged metal enclosure with mounting holes
- Made in the USA

### Description

The Model URG-SKU is a derivative of the popular URA-SKU and used to receiver a VGA signal over UTP or STP cable up to 1,000 ft (300 meters) away.

It supports resolutions including 1920x1200 and can compensate for the high-frequency signal losses in the cable as well as the skew that is inherent in VGA transmission over UTP cables due to differences in twist rates of the 4 pairs in the UTP cable. The device features Hall Research's most advanced 5-pole VGA equalization network to precisely restore the signal losses due to cable length. In addition the URG-SKU can correct for the skew created by the UTP cable that causes color misalignment in the received image. Both adjustments are done digitally using front panel buttons and are stored in non-volatile memory.

Compatible Transmitters include: UV1-S, UV2-S, UV4-S, and UV8-S (including –PE1 versions)

### Block Diagram

