



Description

The ULTRA-4K is a Dual-Head HDMI and USB 2.0 KVM Extender over just one CAT6 cable to 100m. The ULTRA-4K Sender provides 2 HDMI inputs and one USB port for connection to a host PC. The Sender provides local HDMI outputs as well as a 2 port USB hub. Remote Receiver connects to the Sender using just one Cat6 cable. The Sender provides 3 RJ45 outputs so more than one Receiver can be connected to allow access to the PC from multiple remote locations. When more than one Receivers are connected to the same Sender, all Receivers show the same two video screens and keyboard/mouse data from either remote location are automatically routed to the PC based on user activity. The entire system is transparent to the PC and does not require any driver or software to be installed.

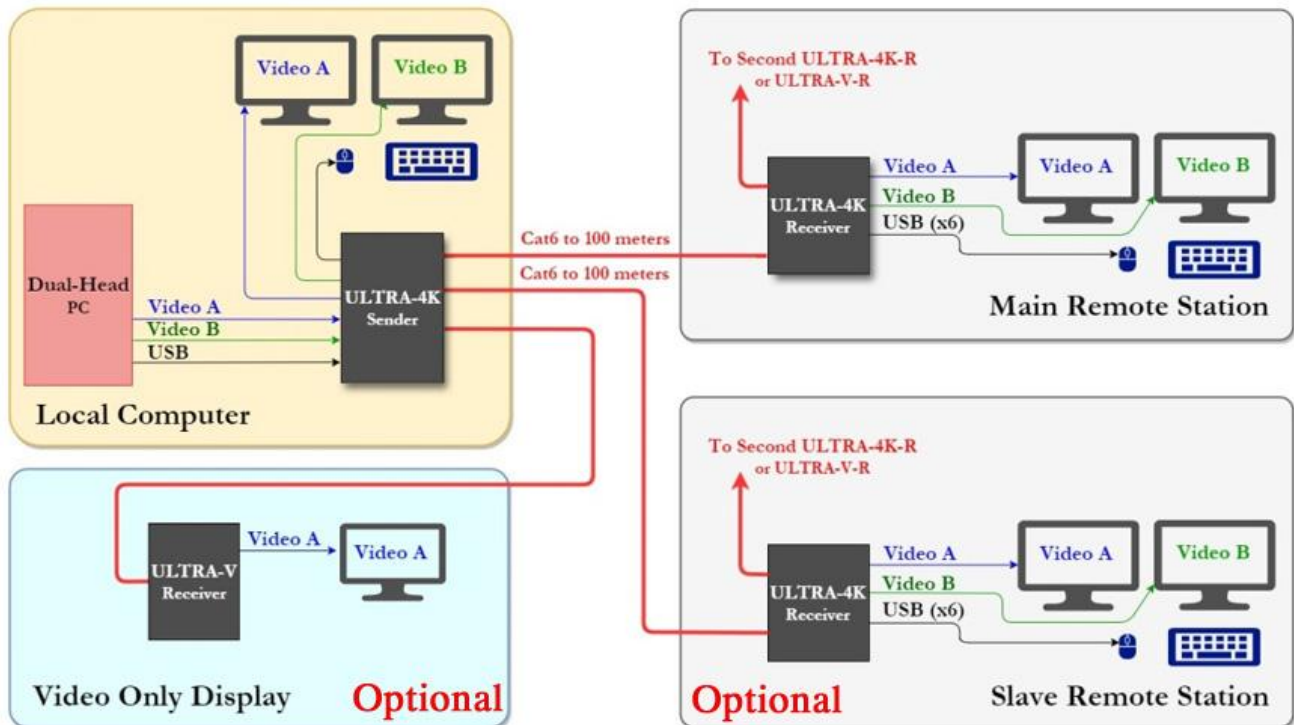
The ULTRA-4K Receiver provides two HDMI video outputs, dedicated keyboard and mouse ports (with auto switching), and a 4-port USB 2.0 hub for connection of other USB devices such as touch-screens, printers, etc. Plug-and-Play operation requires no setup, just connect the Sender to the Receiver using a Cat5e/6 cable and you are ready to go! The system supports video resolutions to 3840 x 2160 (UHD/4K), but it also supports and is ideal for applications requiring 2560 x 1600, 2560 x 1440, and 1920 x 1080 resolutions. Other standard HDTV and PC resolutions are also supported.

The Ultra-4K system is ideal for high resolution KVM applications requiring computers to be kept in a secure server room and accessed remotely from either single or multiple locations such as in trading rooms in financial institutions or accessing information or monitoring patients in healthcare facilities.

Features

- Supports high resolution HDMI video including FHD (1920x1080), WQHD (2560x1440), and 4K UHD (3840x2160)
- Two video streams and one USB port extended over a single CAT5e/CAT6 cable up to 100m/328ft
- Full plug-and-play support with USB keyboard, mouse, and connected peripherals
- Computer OS independent - No driver or software required
- Local HDMI and USB outputs at Sender
- Three Sender extension outputs and one Receiver daisy-chain output to distribute video to multiple locations
- No video calibration required; no video quality reduction due to cable length or type
- Locking power supply connector to prevent inadvertent disconnection
- Sender includes mounting ears for standard 19" rack; Receiver includes mounting brackets for surface-mounting

Typical Connection Diagram



Specifications

- Video Standards:
 - DVI (single link)
 - HDMI 1.4a video specifications including 12 bit color depth, 3D video
 - HDCP 1.4
- Connectors:
 - ULTRA-4K-S
 - (2) HDMI Inputs , (2) HDMI Outputs
 - (1) USB-B Host Port, (2) USB-A Device Ports
 - (3) RJ45 Link Outputs
 - (1) 2.1MM Locking DC Power Input
 - ULTRA-4K-R
 - (2) HDMI Outputs
 - (2) USB-A 1.1 Device Ports , (4) USB-A 2.0 Device Ports
 - (1) RJ45 Link Input , (1) RJ45 Link Output
 - (1) 2.1mm Locking DC Power Input
- Resolutions:
 - DVI Signal VGA (640x480) thru WUXGA (1920x1200)
 - HDTV Signal 480p through 4K60 4:2:0 (Interlaced resolutions are not supported)
- Power Supply:
 - 100 VAC to 240 VAC, 47-63 Hz, External; 5 VDC
- Temp/humidity:

Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, non-condensing
Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, non-condensing

- Power Supply:
5V DC, 4.0 A Power Supply
- Current Draw:
ULTRA-4K-S: 2.5A DC depending on # and type of connected USB devices
ULTRA-4K-R: 1.5A DC depending on # and type of connected USB devices
- Cooling:
Convection
- Enclosure type:
Metal (Steel)
- Dimensions:
ULTRA-4K-S: 6.09" L x 11.23" W x 1.66" H
ULTRA-4K-R: 5.04" L x 9.00" W x 1.12" H
- Product weight:
Model Only
ULTRA-4K-S: 2.8 lbs (1.3 kg)
ULTRA-4K-R: 1.3 lbs (0.6 kg)
Shipping
ULTRA-4K-S: 4.4 lbs (2.0 kg)
ULTRA-4K-R: 3.1 lbs (1.4 kg)
- Safety:
CE per IEC / EN 60601-1-2
- EMI/EMC:
CE, FCC Class B