

Icron Uncompressed 1080p Video + USB KVM Extender Frequently Asked Questions

Q. What is Icron's USB over HDBaseT solution?

- A. The revolutionary HD Video and USB extension solution combines Valens' HDBaseT and Icron's ExtremeUSB technologies to provide long-reach distribution of uncompressed video and USB control over a single Cat 5 cable. By combining high definition video and USB connectivity over a simple wired infrastructure, users can deploy high quality remote desktops in a variety of applications from enterprise computing to industrial control and home networking.

The HDBaseT technology delivers uncompressed, high quality video at resolutions up to 1080p, preserving the crystal clear high quality desktop and video images that today's media rich computing experience offers. When combined with a high speed USB 2.0 connection over a single Cat 5 cable, the high quality video experience becomes an interactive user desktop with all the features and functionality we have come to expect from our PCs. Remote installation of user desktops and workstations delivering a variety of applications from simple web browsing to watching high definition video or playing the latest video game release are enabled by this revolutionary connectivity solution.

Q. How is this different than other KVM extenders on the market?

- A. The USB over HDBaseT solution is more than a simple KVM extender. Traditional solutions provide only keyboard and mouse connectivity enabling simple user control of basic desktop operations and often do not offer true USB connectivity even for these devices. By integrating Icron's patented ExtremeUSB® technology and HDBaseT, users experience leading edge high definition video and high speed USB 2.0 connectivity. ExtremeUSB® expands connection support for USB at the user desktop, enabling a rich user experience. Devices such as web cameras, hard drives, DVD players, music players and game controllers are supported, along with the traditional keyboard and mouse. USB over HDBaseT enables a rich user experience while simplifying the connection requirements for remote computing in a variety of applications from home connectivity to interactive digital signage, medical diagnostics/imaging, industrial automation and thin client computing.

Q. What is HDBaseT? (From www.valens-semi.com)

- A. Valens' HDBaseT is a new digital connectivity standard that enables simplified long-reach wired connectivity and simultaneous distribution of uncompressed video, audio and Internet via a single LAN cable. HDBaseT empowers consumer electronics (CE) manufacturers to support high-performance HD while reaping the benefits of easier integration, lower costs and longer reach.

HDBaseT, moves beyond simple Ethernet data connectivity to deliver Five Play Convergence:

- Up to 8Gbps of uncompressed HD video.
- Audio
- 100BaseT Ethernet
- Power over Cable
- Control signaling, USB 2.0.

All over a single low cost Cat 5 cable.

Q. How does the system work?

- A. The USB over HDBaseT system is a simple plug and play hardware system that is very simple to install and requires no new software drivers. The extension system consists of two hardware units, a local unit that connects to the source PC, and a remote unit that connects to the remote monitor or TV, and to the remote USB devices. A single point to point Cat 5 wired link connects the remote desktop at up to 100m/328ft from the PC.

Variants of the HDBaseT extension systems enable connection over a standard LAN infrastructure, providing an alternate connection model that leverages structured wiring and the Cat 5 wired network infrastructure common in many commercial and industrial installations.