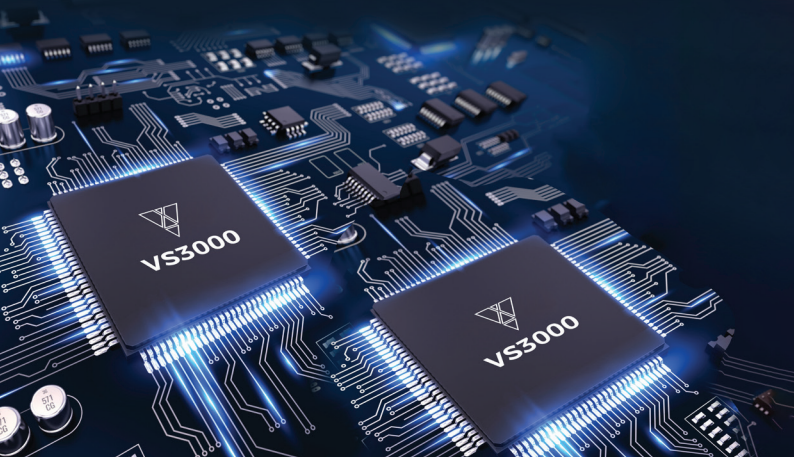




VS3000 Dual HDBaseT Digital Interface (DHDI) for High-Performance Video Conferencing Solutions

Discover how DHDI enables applications
that require routing of multiple video,
audio and USB streams on the fly



Valens VS3000 Highly Integrated Chipset - Innovate with no Limits



Valens VS3000 provides the most robust and flexible connectivity infrastructure for extension of uncompressed multimedia:



- **Link Bandwidth:** 16Gbps/2Gbps
Uncompressed HDMI 2.0, 4K@60 4:4:4
- **Support for multiple video streams:**
(2 x 4K@60 4:2:0, 4 x 1080p)
- **Convergence of:** Video, Audio, 1 Gbps Eth, USB 2.0, Controls, Power
- **100m/328ft** over Cat6a U/FTP
- **Zero latency**
- **Plug & Play** for the best user experience

Highly Integrated IC simplifying system design:

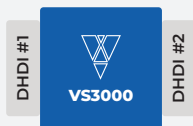
- HDBaseT port duality
- HDCP 2.3
- Local HDMI loop
- Audio insert/extract
- Internal switch
- Chip-to-Chip interconnect (DHDI)
- Software controlled USB role switching

DHDI Enables VS3000 HDBaseT Chip-to-Chip (on-board) Interconnect

VS3000 DHDI building blocks
for versatile system design

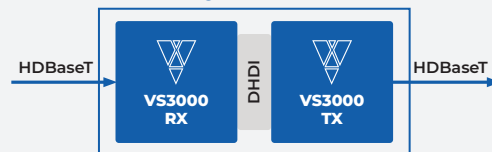


Core

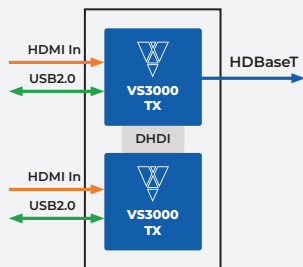


Each chip supports two DHDI interfaces

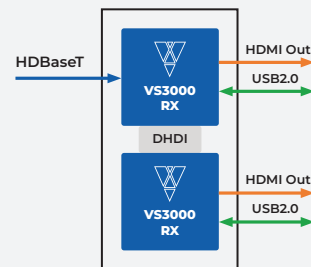
Daisy Chain Tile



Multiple Streams Converged over HDBaseT



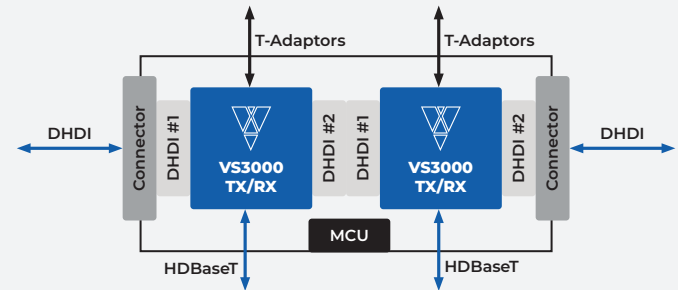
Multiple Streams Extracted from HDBaseT



VS3000 DHDl Evaluation Kit



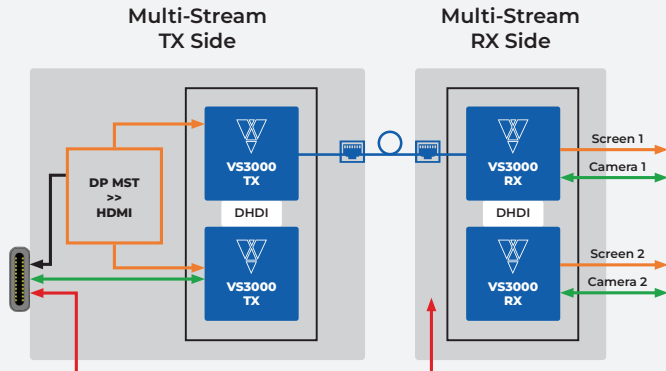
EVK Block Diagram



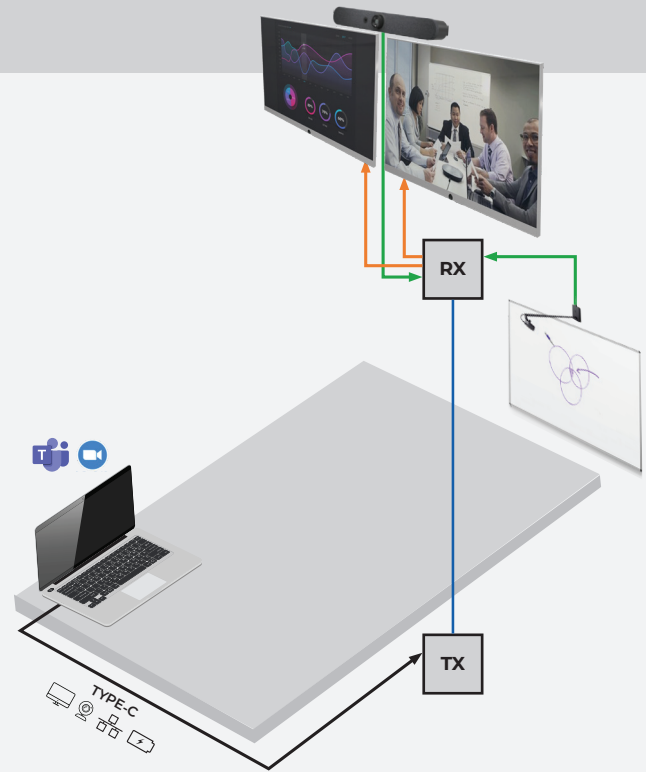
The kit can be configured to any DHDl building block allowing for a myriad of networking topologies. The kit is also available as a reference design.

Professional Grade USB-C Extension for BYOD

Extend multiple video streams,
USB 2.0 & power

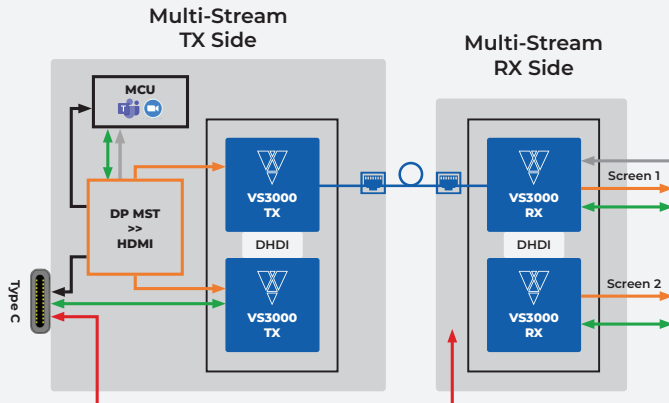


- HDBaseT
- HDMI
- DP
- USB2.0
- Power

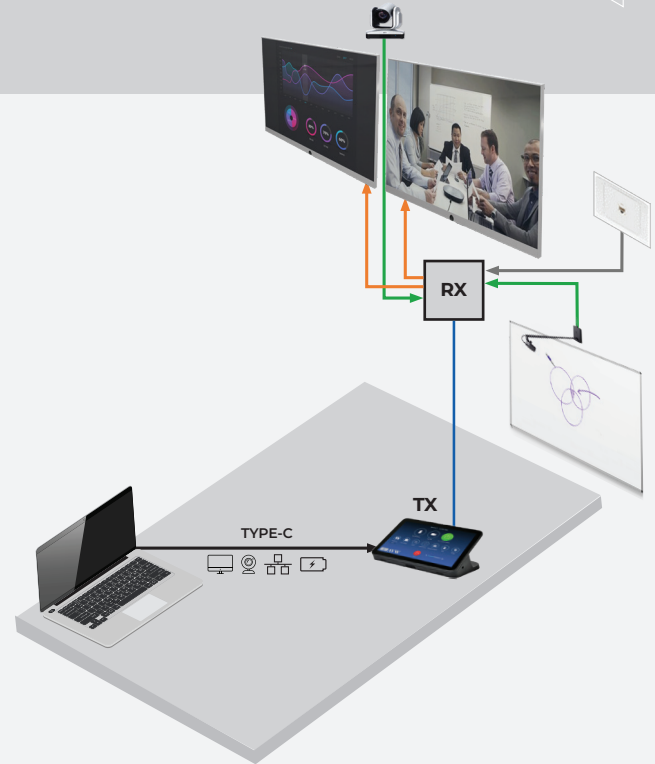


Professional Grade USB-C Extension for BYOD & Room Appliance

Extend video, USB 2.0, power & Ethernet



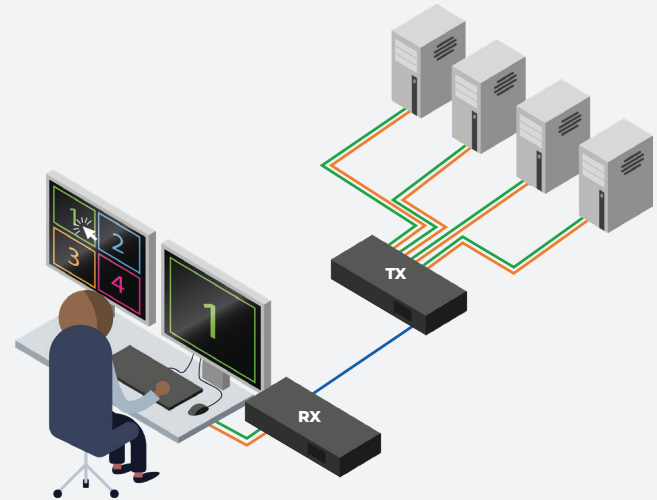
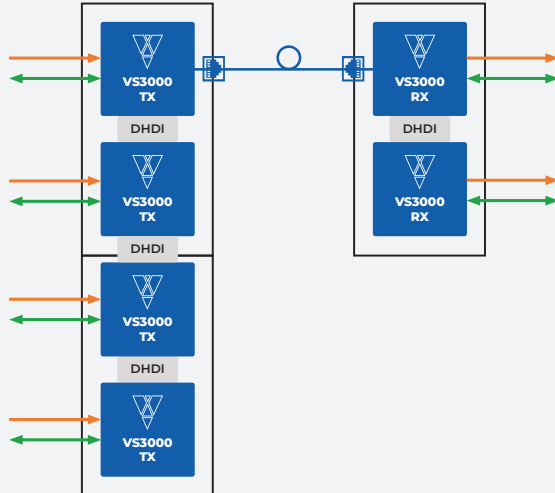
- HDBaseT
- HDMI
- DP
- USB2.0
- Ethernet
- Power



Multi-Stream KVM Extension over a Single Category Cable



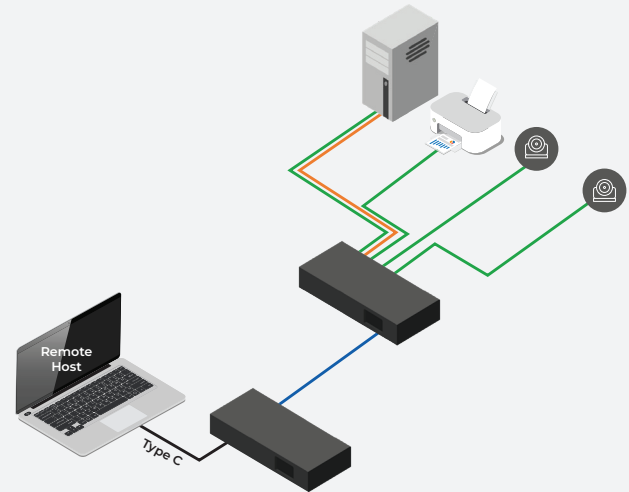
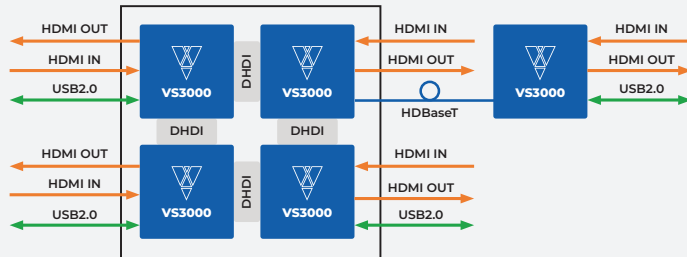
Switch video streams and USB on the fly



- HDBaseT
- HDMI
- USB2.0

USB Matrix Switcher

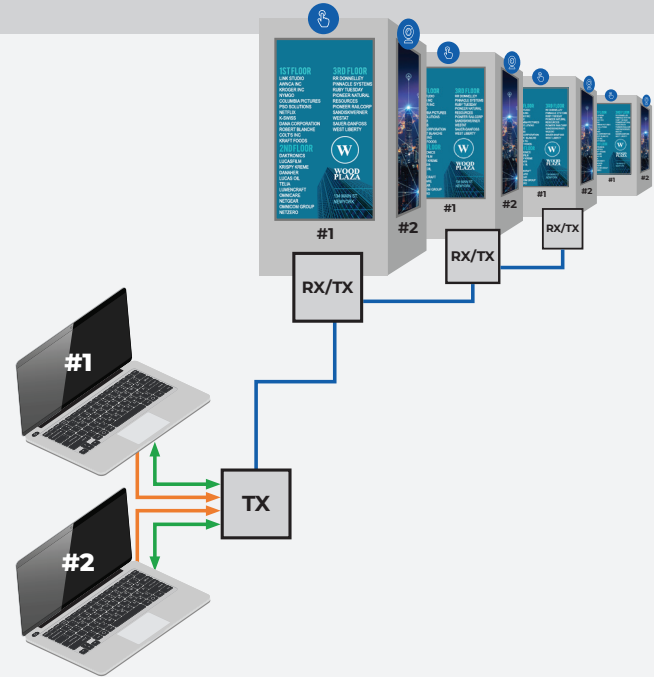
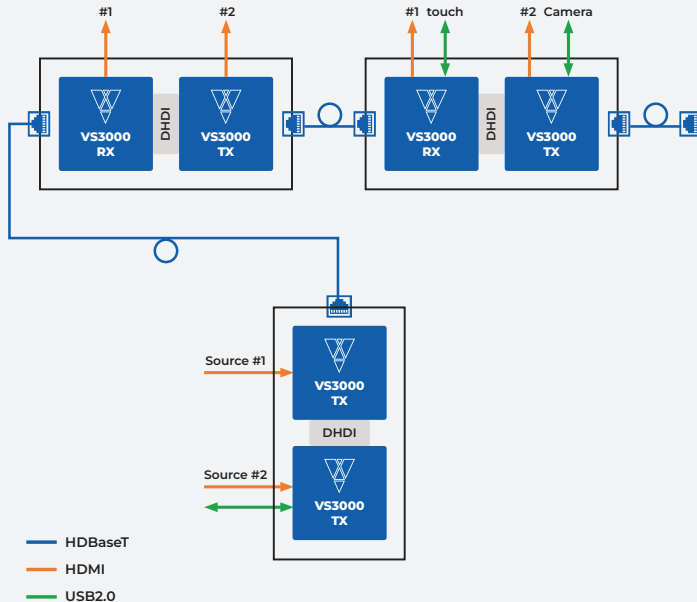
Route local or remote keyboards, mice, USB cameras, printers and other USB Devices to multiple local and remote hosts in run-time.



- HDBaseT
- HDMI
- USB2.0

Not Only Conferencing – DHDl Streamlines Digital Signage

Daisy-chain multiple video streams and additional interfaces over a single Category cable





**Pushing the Boundaries
of Connectivity.
Everywhere.**



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