



Broadcast and Post-Production

As user requirements and technologies are continually evolving in broadcast and media production, a high-performance KVM switching and extension solution is required in order to meet the demand of delivering high resolution content to user desktops. Thinklogical systems provide a cost effective solution that dramatically improves collaborative workflows through long haul and high bandwidth capacity with seamless system integration.

Thinklogical is one of the most progressive video solutions manufacturer and provider in the industry. We have successfully launched a large product expansion and development in the broadcast and post-production arena and are committed to helping our customers succeed as they transition to the digital media world. In a rapidly changing technology environment our entertainment and media clients are able to realize their business objectives and optimize their performance using Thinklogical's leading-edge products and services.

thinklogical[®]

Enabling Creative Professionals to Work More Efficiently and Productively

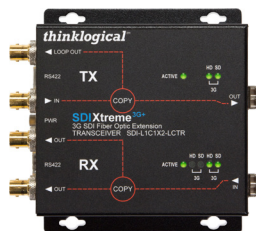
Thinklogical's products and solutions enable Broadcast and IT engineers to back rack and centralize their critical computing resources and allocate them as needed. Thus, allowing users to access computers located securely away from the broadcast or post production studio. By tightly integrating Thinklogical's extension and routing solutions users are able to create a protocol agnostic system which is capable of supporting all desktop peripherals (including USB 2.0, 3.0 and FireWire 800), analog and digital video, as well as full duplex audio. This simplifies reconfigurations, eases administration, and provides a flexible, future proof solution in an ever changing environment.



Thinklogical's video processing solutions are built on extraordinary technology, differentiated by Thinklogical's patented MRTS multiplexing technology, which supplies a core platform for exceptional and enhanced image processing and quality. This technology successfully maintains digital video and peripheral signals over distance (up to 80 kilometers), with the ability to transport every frame of a 1920 x 1200 @ 60Hz (or higher) video stream with no compression, along with all desktop peripherals (keyboard, mouse, USB 2.0, USB 3.0, DisplayPort and FireWire 800) and support for high-speed peripherals with no latency. Thinklogical's MRTS technology plays a critical role in many applications, especially in the broadcast and post-production arena, where real-time collaboration applications are in place and eliminating dropped frames and latency is of paramount importance.

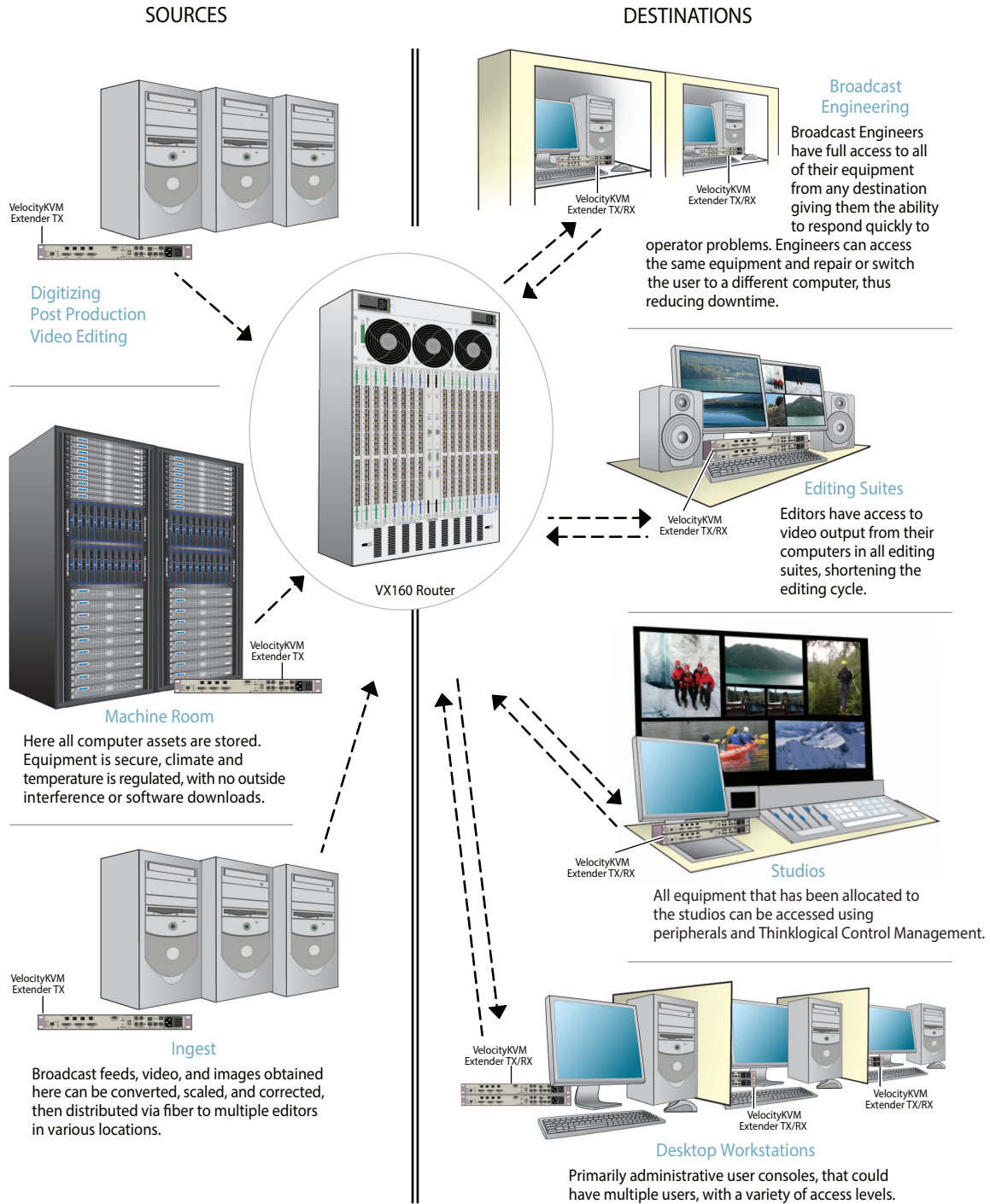
Thinklogical's KVM and Video Extension and Switching Systems Support:

- Supported SMPTE standards 424M, 292M, 259M, 372M, 425 level A and B
- High Bandwidth - up to 10Gbps
- No compression - Zero latency - No dropped frames
- DVI/Dual-Link DVI/RGB/VGA
- HDMI/3G-6G SDI/DisplayPort/2K/4K
- PS/2 USB Keyboard & Mouse
- Analog Stereo (balanced & unbalanced)
- Digital Audio (AES3 & S/PDIF)
- RS-232/422
- USB HID/2.0/3.0 FireWire 800 (2.0 at 480Mbps)



thinklogical®

APPLICATION DIAGRAM



Our broadcast and post-production client list continues to grow. Why? Because with each new install, studio build, or upgrade, more and more decision makers are discovering the reliability, capabilities, and overall value of the Thinklogical system.

The Thinklogical Advantage:

- Store the content sources in a secure and climate controlled machine room
- Create an environment that is free from the heat and noise of computers
- Enable collaboration between broadcast personnel and/or studio teams without any major redeployment of equipment or infrastructure redesign
- Editors, post-production, and broadcast engineers have full access to all equipment which has been allocated using standard KVM peripherals
- Thinklogical's System Management Portfolio provides a customizable graphical user interface designed for easy and intuitive system setup and control
- All desktop peripherals (included all Wacom digital tablets) function with no latency
- Full frame rate DVI video is successfully maintained over any distance up to 80 kilometers, with native video resolution and no frame dropping
- Dual screen and dual-link capability is available to all desktop users
- Pristine video quality no matter what the format
- Routing technology is protocol agnostic - route any signal regardless of the format - data and video



thinklogical®

thinklogical.com
100 Washington Street
Milford, CT 06460 USA
info@thinklogical.com
+1 (203) 647-8700

©2015 Thinklogical. All rights reserved. Thinklogical, claims or other product information contained in this document are subject to change without notice. This document may not be reproduced, in whole or in part, without the express written consent of Thinklogical.