

Velocitydvi

Digital Video Extension System - 63

Powered by
MRTS Technology

- MRTS technology provides **6.25Gbps** for full frame rate transmission of uncompressed DVI
- Supports **three** dual-link DVI video sources
- Extends all dual-link DVI video signals up to **10 km.**
- Signal transmission via **fiber optic cable;** no RF interference
- Full **DDC2B/EDID** support using two fibers/channel
- **Flawless image quality** with no frame dropping



Velocitydvi-63 Transmitter and Receiver

The Logical Solution - Digital Video Extension

The Velocity DVI System - 63 is designed for high-resolution video extension applications. The system allows users to extend video signals from 350 meters up to 10 kilometers (using multi-mode or single-mode fiber) away from the controlling computer without loss of resolution. Powered by Thinklogical's cutting edge, patent-pending MRTS (Multi Rate Transmission System) technology, this digital video extension system transports every frame of a DVI video stream seamlessly, with **no compression**, or dropped frames.

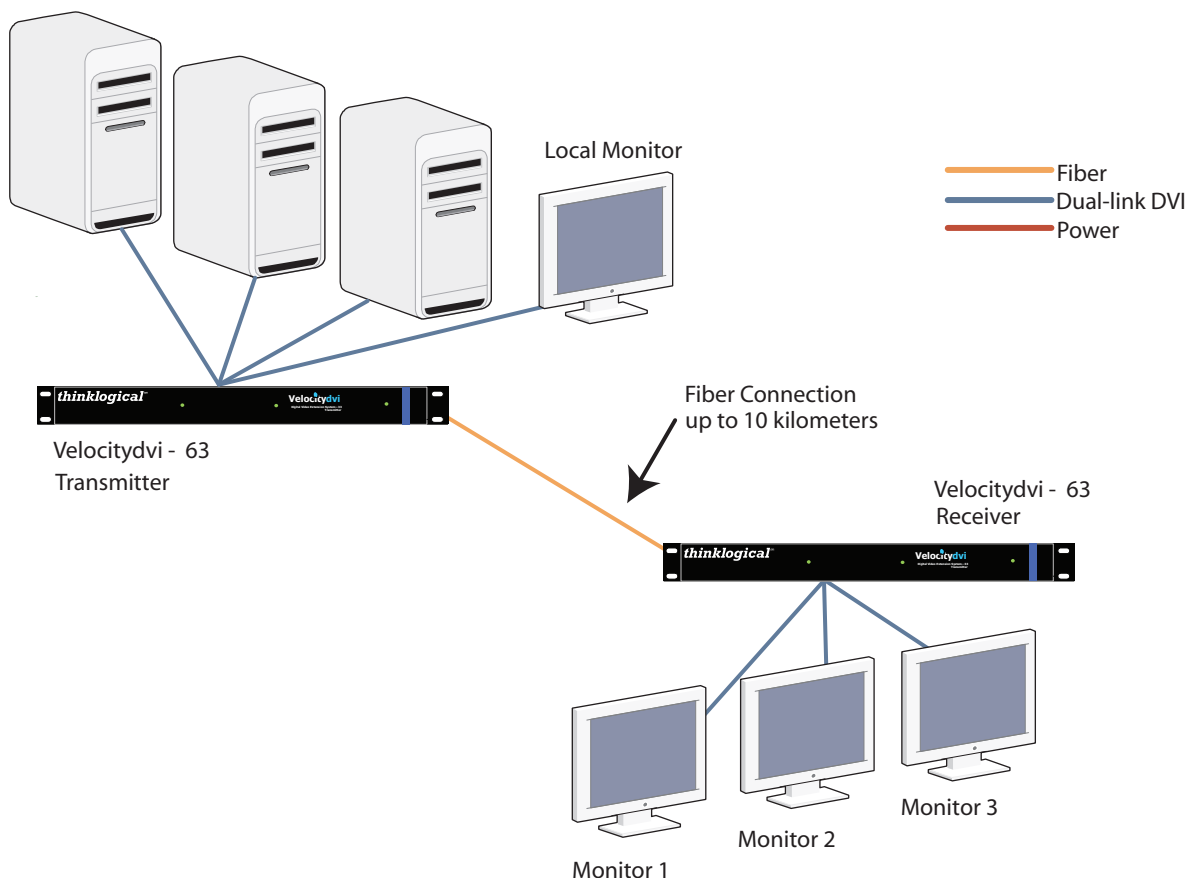
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The System - 6.25 Gbps provides the ultimate in high quality video transmission

The Thinklogical Velocity DVI - 63 is well suited for implementation in high-resolution video extension applications, such as remote projection centers, theaters, assembly halls, command and control centers, universities, large scale digital signage, and any other secure computer installations. The ability to remotely locate the CPUs away from the monitors allows for more control of your computer environment. This enables users to locate monitors or projectors in any setting, from office to lecture hall to boardroom, all while keeping the computer secure in a remote and controlled location.

The Velocity DVI - 63 offers streamlined capabilities and increased reliability by harnessing Thinklogical's MRTS technology. This technology is unlike any in the marketplace today, providing full frame rate DVI at 6.25Gbps for complete mission critical video integrity. By leveraging standard SFP+ transceivers, the system allows for the usage of either multi-mode or single-mode fiber optic cables, this enables ultra secure and high performance DVI extension up to 10 kilometers. The Velocity DVI - 63 incorporates three dual-link DVI transmitters in a 1U, rack mountable chassis.

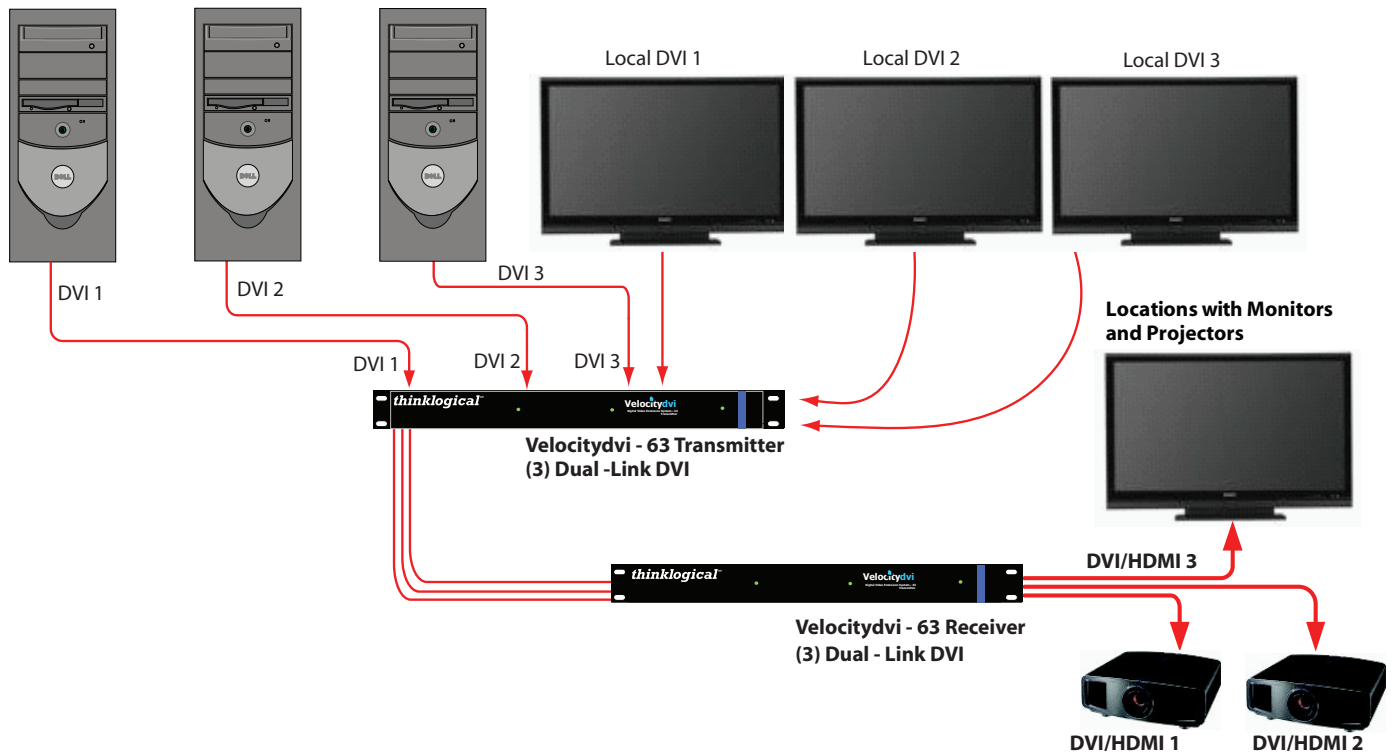
The system is made up of a simple transmitter/receiver design which allows for ease of installation and straight forward deployment. The transmitter unit connects to the CPUs with the supplied DVI-D cables, and has a local video port. The receiver unit provides an interface to six DVI monitors, with active DDC/EDID capability. Front panel LED indicators provide status for troubleshooting and monitoring active fiber links. Models are available in either multi-mode or single-mode fiber optics to match the user's infrastructure. Multi-mode models are available with SC, ST, or LC type fiber connectors. For the single-mode model, we offer SC/APC (Angled Physical Contact), SC/UPC (Ultra Physical Contact), or LC/UPC for optimum performance.



Typical Application extending Dual-link DVI video using Velocitydvi System - 63

Key Features

- Supports three dual-link DVI video sources
- MRTS technology 6.25Gbps allows for full frame rate transmission of uncompressed DVI
- Signal transmission via fiber optic cable; no RF interference
- Flawless image quality with no frame dropping
- Full DDC2B/EDID support
- Extends dual-link DVI up to:
 - 350 meters using standard 50um multi-mode fiber
 - 1000 meters using eSX+ fiber
 - 10 kilometers using single-mode fiber
- Local video port on transmitter
- Class 1 laser product
- Simple plug and play
- Small form factor
- Available with SC-, ST-, or LC or type fiber connectors
- Requires six to nine fiber optic cables
- Front panel LED indicators on TX/RX for troubleshooting and monitoring



Typical application extending Dual-Link DVI video using the Velocitydvi System - 63

Specifications

Video Resolution	All single and dual-link DVI resolutions
Supply Voltage	90 - 264 VAC
Operating Temp.	0°-50°C; (32°-122°F)
Humidity	5-85% RH, non-condensing
Dimensions and Weights	Height: 1.72" (43.7 mm) Depth: 10" (254 mm) Width: 19" (482.6 mm) Weight: 4lb (1.81kg) Shipping Weight: 13lb (5.89kg) pair (Tolerance: ± .039"; 0.99 mm)
Optical Cable	Multi-mode and Single-mode versions - nine fibers (available, not supplied)
Optical Distance	Up to 50 meters using 62.5/125um, type OM1; Up to 350 meters using 50/125um, type OM2 Up to 750 meters using 50/125um, type OM3; Up to 1000 meters using 50/125um, type OM3 enhanced; Up to 10 kilometers using 9/125um, type OS2 (Single-Mode) (Please contact Thinklogical for distances over 10 kilometers)
Power Consumption	20 watts per unit
Compliance	Approvals for US, Canada, and European Union
Warranty	12 months from date of shipment - Extended warranties available.

Connectors

Transmitter

Video	DVI-D (6)
Power	2.5mm power connector
Fiber Connectors	SC/APC, SC/UPC or LC/UPC for Single-Mode LC, SC or ST for Multi-Mode

Receiver

Video	DVI-D (6)
Power	2.5mm power connector
Fiber Connectors	SC/APC, SC/UPC or LC/UPC for Single-Mode LC, SC or ST for Multi-Mode

Cables Included: DVI-D Dual Link male to male, 2 meter (3)



Velocitydvi-63 TX - Back View



Velocitydvi-63 RX - Back View

Velocitydvi System 63 Ordering Information

VELOCITY 63: SINGLE MODE

- VEL-000S63-SCRX Velocity 63 DVI Video Extender Receiver, 3 Dual Link DVI, 3 AUX Dual DVI Outputs, 3 Video Channels, Single Mode, SC/APC
- VEL-000S63-SCTX Velocity 63 DVI Video Extender Transmitter, 3 Dual Link DVI, 3 Local Dual DVI Ports, 3 Video Channels, Single Mode, SC/APC
- VELOCITY 63 OPTICS OPTIONS for SINGLE MODE
- VOP-S10 Velocity 63 Optics Option for Transmitter or Receiver, Single Mode, 9 Fibers, 10KM, SC/APC

VELOCITY 63: MULTI-MODE

- VEL-000M63-LCRX Velocity 63 DVI Video Extender Receiver, 3 Dual Link DVI, 3 AUX Dual DVI Outputs, 3 Video Channels, Multi-Mode, LC
- VEL-000M63-LCTX Velocity 63 DVI Video Extender Transmitter, 3 Dual Link DVI, 3 Local Dual DVI Ports, 3 Video Channels, Multi-Mode, LC
- VEL-000M63-SCRX Velocity 63 DVI Video Extender Receiver, 3 Dual Link DVI, 3 AUX Dual DVI Outputs, 3 Video Channels, Multi-Mode, SC
- VEL-000M63-SCTX Velocity 63 DVI Video Extender Transmitter, 3 Dual Link DVI, 3 Local Dual DVI Ports, 3 Video Channels, Multi-Mode, SC
- VEL-000M63-STRX Velocity 63 DVI Video Extender Receiver, 3 Dual Link DVI, 3 AUX Dual DVI Outputs, 3 Video Channels, Multi-Mode, ST
- VEL-000M63-STTX Velocity 63 DVI Video Extender Transmitter, 3 Dual Link DVI, 3 Local Dual DVI Ports, 3 Video Channels, Multi-Mode, ST
- VELOCITY 63 OPTICS OPTIONS for MULTI-MODE
- VOP-M08 Velocity 63 Optics Option for Transmitter or Receiver, Multi-Mode, 9 Fibers, 1000M, LC
- VOP-M07 Velocity 63 Optics Option for Transmitter or Receiver, Multi-Mode, 9 Fibers, 1000M, SC or ST

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