

# TRIDENT

## IP VIDEO DISTRIBUTION SYSTEM

# VDS

**Here. There. Anywhere.**

Trident's powerful, IA certified, video routing software is an IP-based video router that distributes any network video source (e.g. workstation screen, UAV feed, DVD, GBS, video steams, etc) to a central screen, video wall or other displays from a single Java console in a matter of seconds. Portable, flexible, and easy to use makes it an ideal choice for training facilities, conference centers, and mobile command centers.

## TRIDENT SYSTEMS' IP VIDEO DISTRIBUTION SYSTEM

### Powerful Solution

Trident System's new IP based video distribution system (VDS) is a unique approach to video distribution and video wall technology. A Client/Server application, Trident's VDS uses modestly priced, light, lower power, industry standard hardware for the Display Processor (DP) to host the client software. Video sources are switched using server software then routed by the client software over an IP network to the DP. The video content is displayed in a window that can be resized, moved, and/or stretched across multiple displays.

### Trident's Display Processor

Though the client software can run on customer hardware, Trident has bundled our software with a powerful, TAA compliant, iTX system. Trident's Display Processor supports VGA, HDMI, DVI-I, and DisplayPort connectors making it a perfect companion to existing customer display equipment.

### Unlimited Expansion

A unique feature of Trident's VDS is unlimited expandability. As with the Client/Server model, the design incorporates distributed processing. Display Processors can be added as needed. No chassis limitations, nothing to trade in.

### Light Weight, Heavy Duty

The common approach is to provide a dedicated server with hardware that is capable of processing a preconfigured number of video inputs. The servers have dedicated processors for each channel and as the number of video sources increases additional hardware components must be added to accommodate these sources. As a result products are priced based on the number of video inputs.

The input source or signal may vary (e.g. VGA, NTSC/PAL, SDI, etc.) and must be considered in the configuration. Since the costs for hardware varies based on input signal, server pricing varies based on the number of inputs as well as the types of sources.

The results of this method produces specialized hardware devices typically 2-4U in size, weighing between 25-60 pounds that consumer 200-700 watts. The systems have limited scalability and are often very expensive.

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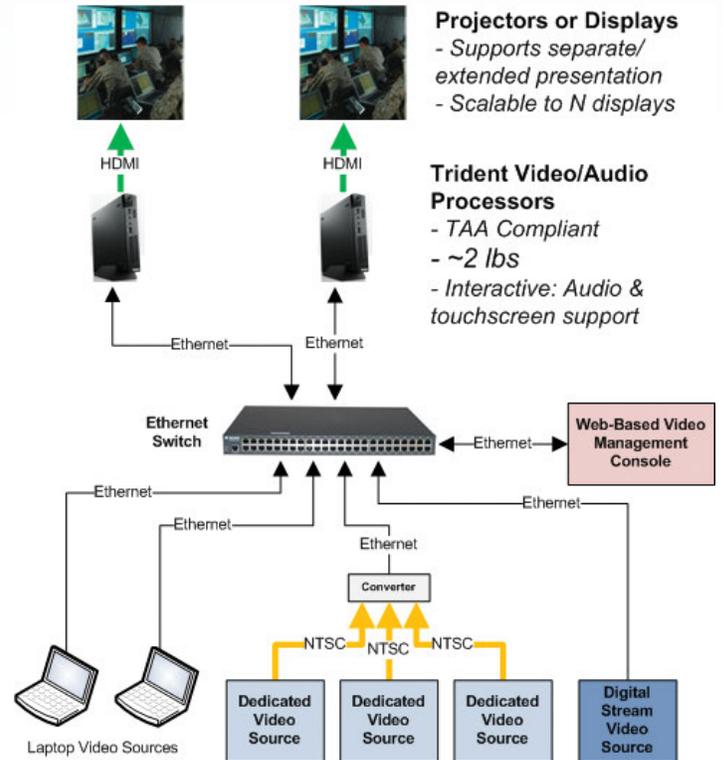
# IP VIDEO DISTRIBUTION SYSTEM

## Display Processor Features

<b>Processor:</b>	Intel Core i3-2120T
<b>Operating System:</b>	Windows7 Professional (Linux optional)
<b>Memory:</b>	4 GB Memory
<b>Graphic processor:</b>	Intel HD Integrated
<b>Storage:</b>	500 HDD (removable drive optional)
<b>Data connections:</b>	5 USB
<b>Video connections:</b>	1 VGA, 1 Display Port
<b>Power consumption:</b>	65 watts at 85%
<b>Size:</b>	7" x 7" x1.3"
<b>Wireless:</b>	Wi-Fi (optional)

## IP Video Distribution System Components:

- IP video source
- Display Processors
- LCD large screen or display (HDMI, DVI-I, VGA)
- VDS Management software



Comparison	Typical Solution	Trident IP VDS
Weight	~25-60 lbs	~2 lb display processor required per display
Power Usage	~200-700 Watts	~65 watt display processor required per display
Size	~2-4U	~7"x7"x1.3" display processor required per display
Scalable	Yes- cards, cables	Yes
Display I/O	Configurable- cost	VGA, HDMI, DVI- no cost
TAA Compliant	Varies	Yes
Touch Screen	No	Yes

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# TRIDENT

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