TP Control TPC-TPI-PRO Professional In-Room Presentation Management System

TPC-TPI-PRO (FG2263-16-00)

Overview

TPC-TPI-PRO is a solution that enables third-party touch monitors to be used for room and presentation control, display multiple video windows from multiple sources, and switch between the sources in real time. The software runs on any Windows PC 8.1 (or above) and enables all video content, presentation control and environmental control to come together on one central dashboard with live graphics and intuitive interfaces. This allows staff to use content as a tool without becoming distracted by trying to operate a complex and unfamiliar system.

TPC-TPI-PRO creates a presentation canvas, allowing multiple video sources to be input via USB or HDMI-to-USB converter. Sources can be selected and laid out using any configuration and previewed before being sent to the display or projector. As a standard Windows app, the number of input sources that can be processed is dependent on PC processing power and available input ports. When part of a system design that includes an AMX NetLinx NX Central Controller, TPC-TPI-PRO also offers the ability to control and optimize your environment by adjusting lights, blinds, volume levels and more through the TPC-TPI-PRO integrated control interface.

TPC-TPI-PRO includes an open source annotation tool however users can import their own annotation application or launch other applications to customize and optimize their presentation capabilities to their specific requirements.

Common Applications
The software is targeted towards specific specialist markets. These include Courtrooms (Legal), Lecture Theatres (University), Operating Theatres (Medical) and Network Operation Centers. It can be leveraged in any presentation environment to compare and annotate content, in medical environments to aid instruction by annotating over live video or digital imaging, in courtrooms to draw on, point to, and highlight content in exhibits, in Network Operation Centers (NOC), and professional event management spaces.

In some specialist spaces, such as medical operating theatres, traditional touch panels cannot be used as any touch displays or control systems need to be waterproof as the theatres are sterilized after every surgery. TPC-TPI-PRO can work on medical pendants and other waterproof and/or medical grade displays making it the perfect control and viewing platform for this environment.

Features
- Display multiple video windows simultaneously
- Auto-scaling user interface
- AMX control overlay
- HD / UHD resolution Support
- Dynamic customizable video window layout
- Native Netlinx Device

Specifications

General	
Maximum number of video inputs	Up to 8*
Maximum number of video outputs	1
Supported source resolutions	Determined by the source device or capture interface**
Supported output resolutions	*Up to UHD (3840 x 2160)
Auto-scaling user interface	Yes
Rendered video window frame rate	*30fps
Rendered video window resolution	720p
Touch monitor support	Any Windows compatible touch monitor
AMX G4/G5 compatibility	G4 and G5
Capture interface support	**Any Windows compatible capture interface
USB 2.0 / 3.0 Video support	Yes
HDCP support	No

*Hardware Dependent
**3rd party provided by others

Software Requirements
Windows 10 (32 bit or 64 bit)
Windows 8.1 (32 bit or 64 bit)

Video Requirements***		
# of Video Feeds	4	1
CPU	Intel i7 or equivalent	Intel Atom C2530 or Higher

Ram	16 GB	4 GB

***Video performance is dependent on hardware capability and performance.

PC Platforms (Small Form Factor) Tested		
SSF PC	4 Video Windows @ 30fps	1 Video Window @ 30fps
Intel NUC i7 5th Generation	Supported	Supported
Intel NUC i5 5th Generation	Not Supported	Supported
Intel NUC i7 6th Generation	Supported	Supported
Intel NUC i5 6th Generation	Not Supported	Supported
Intel NUC i7 7th Generation	Supported	Supported
Intel NUC i5 7th Generation	Supported	Supported
Intel NUC i7 8th Generation	Supported	Supported
Intel NUC i5 8th Generation	Supported	Supported
ASUS VivoMini i7	Supported	Supported
ASUS VivoMini i5	Supported	Supported
Lenovo M900 TINY	Supported	Supported

Tested USB Capture Interfaces	
Magewell Capture HDMI Gen 2	http://www.magewell.com/products/usb-capture-hdmi-gen-2
Mimo Monitors HDMI Capture Card (HCP-1080)	http://www.mimomonitors.com/products/hdmi-capture-card

Supported Resolutions		
960 x 640	640 x 960	1024 x 768
768 x 1024	1136 x 640	640 x 1136
1200 x 800	800 x 1200	1334 x 750
750 x 1334	1920 x 1080	1080 x 1920
2048 x 1536	1536 x 2048	2732 x 2048
2048 x 2732	2436 x 1125	1125 x 2436
3840 x 2160	2160 x 3840	