



VP-553

MULTI-OUTPUT SWITCHING SOLUTION

- Kramer's Renowned Scaling Technology
- Extensive Web Page Control
- Audio DSP
- HDBaseT™ Inputs and Outputs
- USB Switching for Smart Board Support



The VP-553 is a powerful 6x2 presentation scaler/switcher that can output two independent scaled images (with embedded audio) from among three HDBaseT™ and three HDMI inputs.

Designed for any size meeting room or classroom, the versatile VP-553 offers additional analog support for one of its two scaled outputs. You can also use output 1 to send a signal over HDBaseT™. VP-553 includes independent stereo audio outputs and a 4x1 USB switcher.

FLEXIBLE AND POWERFUL

The VP-553 offers a unique combination of features that makes it a powerful, flexible and cost effective unit for a wide variety of installations.

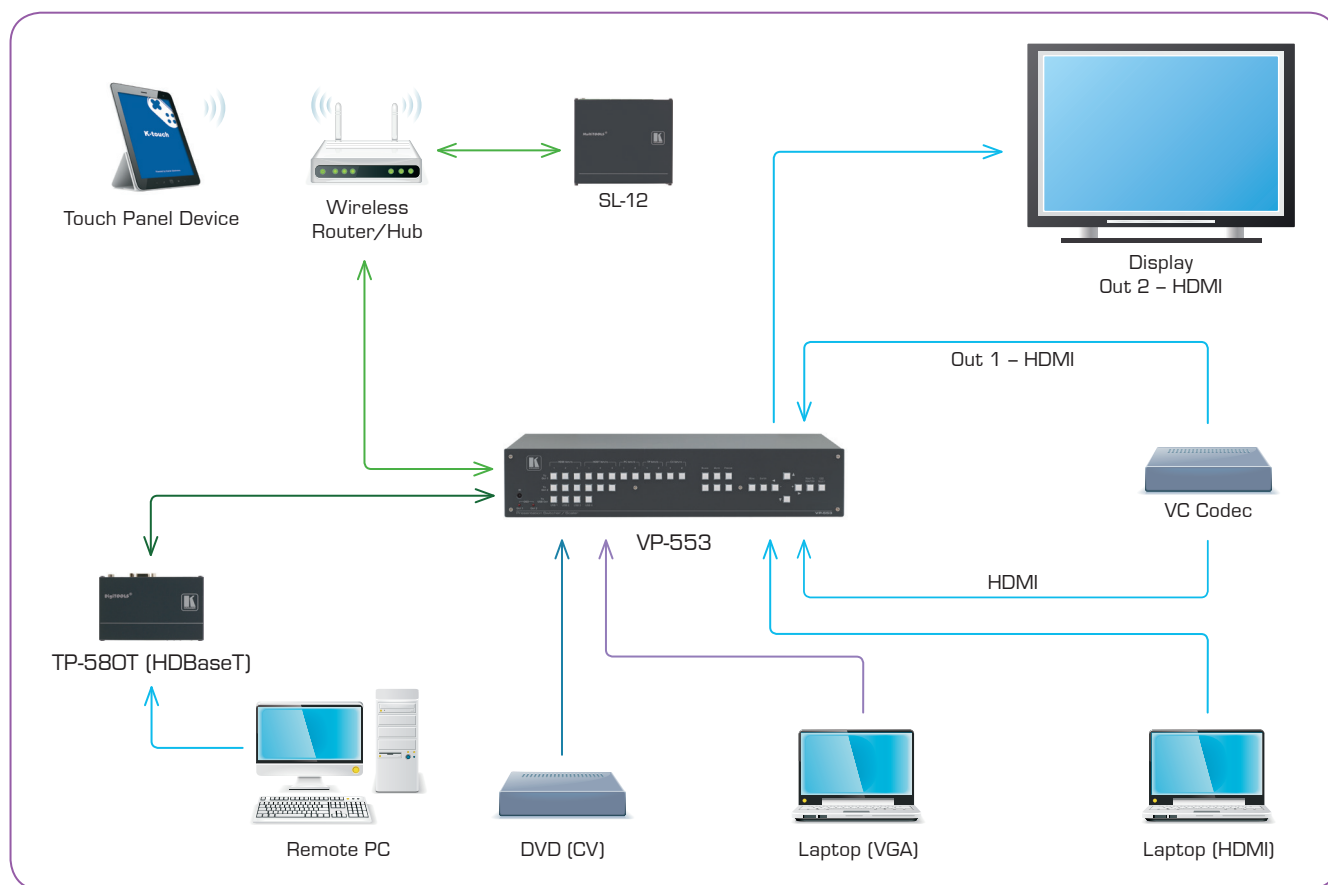
In the corporate market, VP-553 provides an effective solution for small to medium-sized meeting rooms and hubs. The product is ideal as a main switcher for rooms with video conferencing systems. With its integrated 4:1 USB switcher, the VP-553 is also an outstanding choice for setups that require USB switching with video and audio (e.g., a smart board).

VP-553's two independent scaled outputs (one with HDBaseT support) are ideal for Education setups, which often require two screens with different sizes and resolutions at different distances from the cabinet or rack.

VP-553 CASE STUDIES

Case Study 1: Virtual Conference Setups

In a basic Virtual Conferencing setup, the VC codec loops between an output and an input of the main switching device in the room. This can be done by connecting HDMI output 1 of the VP-553 to the HDMI input of the VC codec. Meanwhile, the codec's HDMI output connects to an HDMI input on the VP-553. The main display connects to output 2 of the VP-553. This common loop makes all video inputs available on output 2 of the VP-553 in addition to the image manipulation features of the VC codec unit. The VP-553 is the best affordable choice as a main switching device in signal-rich VC room setups.

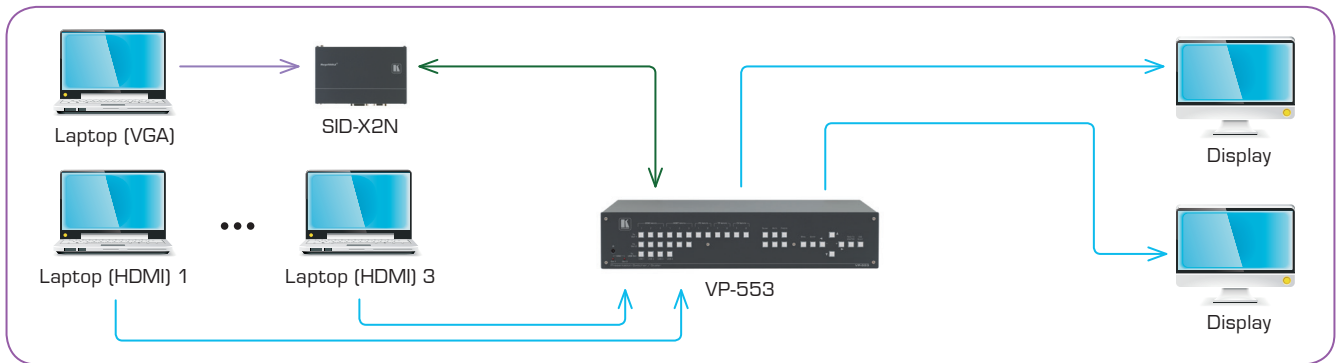


CABLE LEGEND

● C-HM/HM - HDMI Cable	● C-GM/GM - 15-pin HD Cable	● Ethernet Cable	● Audio/Speakers Cable
● BC-HDKat6a - HDBT over CAT 5 Cable	● C-RVM/RVM - Composite Video Cable	● USB Cable	● Control Cable

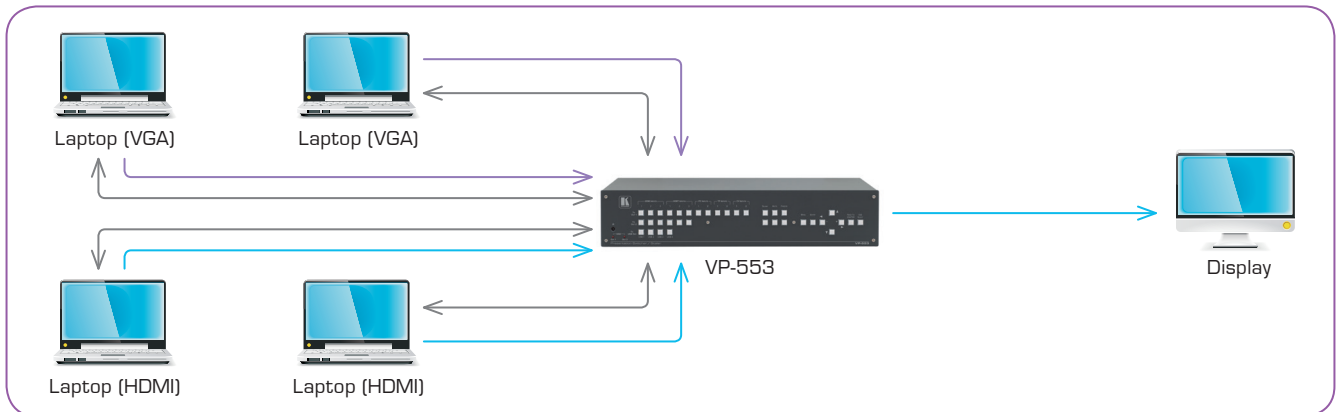
Case Study 2: Room Setups: Two Screens Show Different Sources

The dual scaled output of the VP-553 makes it a perfect solution for this common setup.



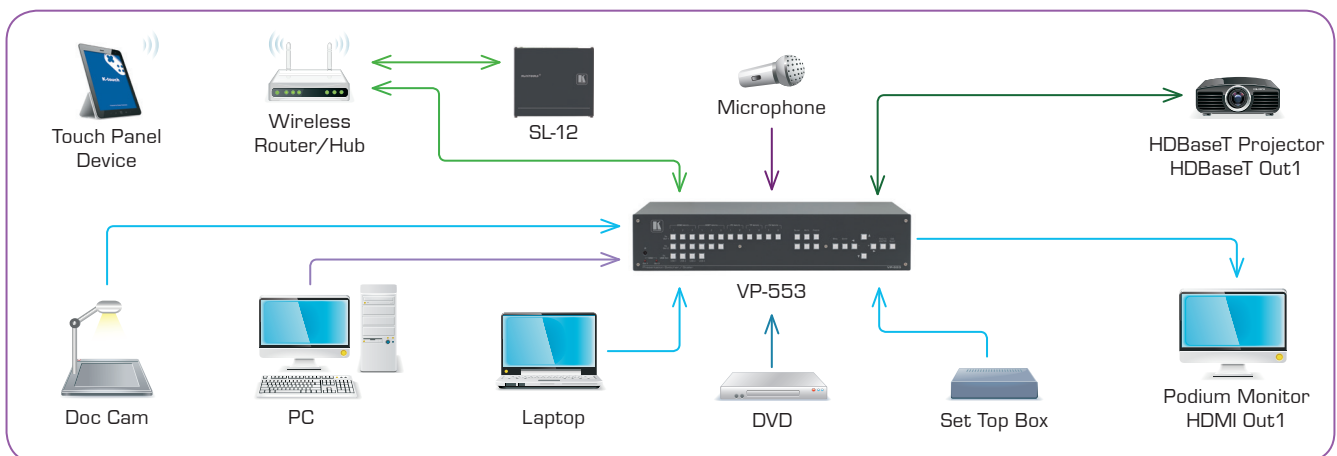
Case Study 3: Meeting Rooms: Smart Board or Touch Panel as the Main Display

The VP-553's integrated USB switcher easily controls a room that has USB-driven touch displays or smart boards. The integrated USB switcher switches independently of the video and audio and can also switch in USB-Follows-Video mode for easy room configuration and control.



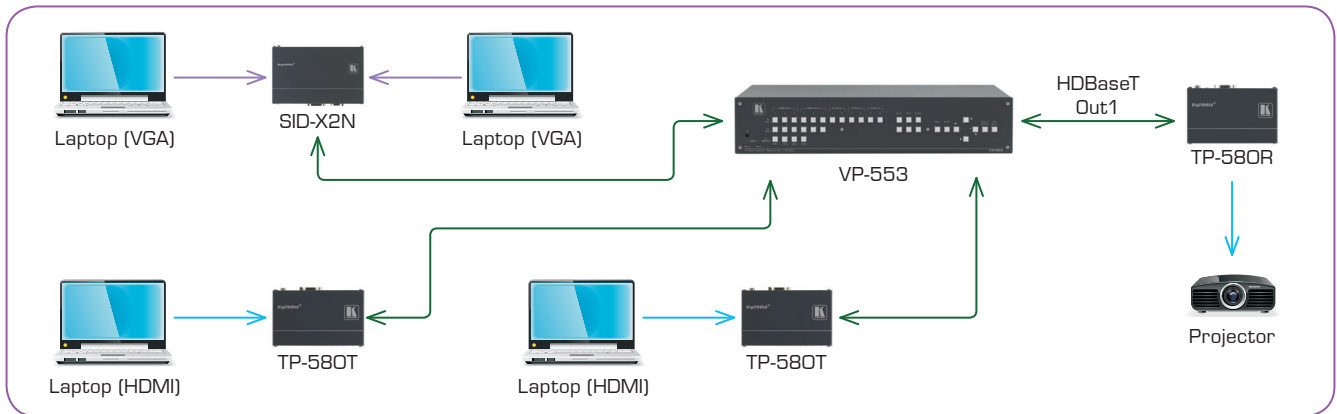
Case Study 4: Media-Rich Learning Environments

Content-rich classrooms and auditoriums benefit from the variety of VP-553's video and advanced audio features including an AUX audio channel that connects to and mixes a MIC with the other audio channels.



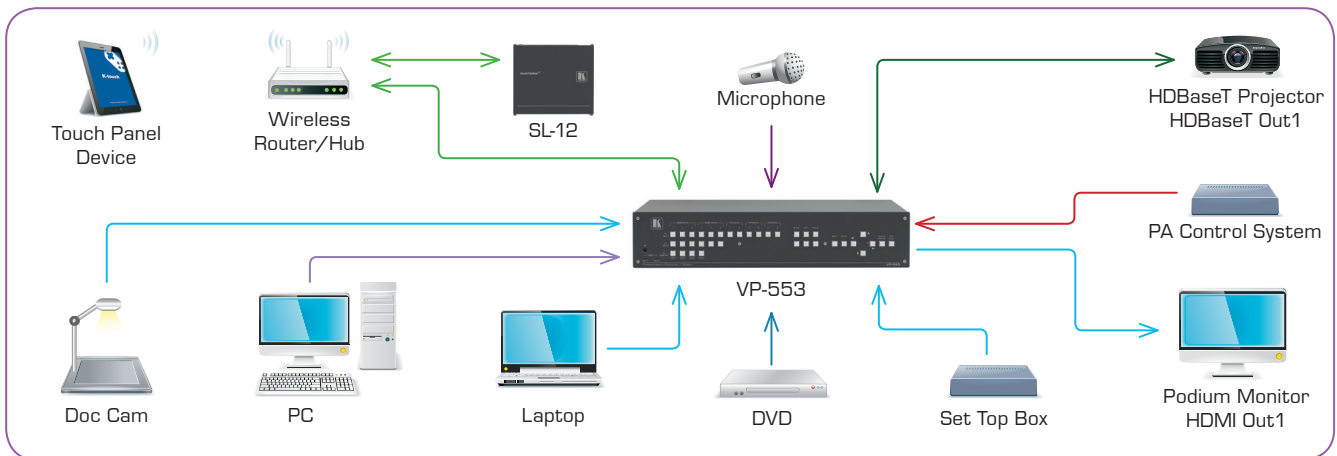
Case Study 5: Long-Distance Installations to and from the Switching Rack or Cabinet

For transmitting digital and analogue signals over long cable runs, use CAT cables with VP-553's HDBaseT and TP interfaces.



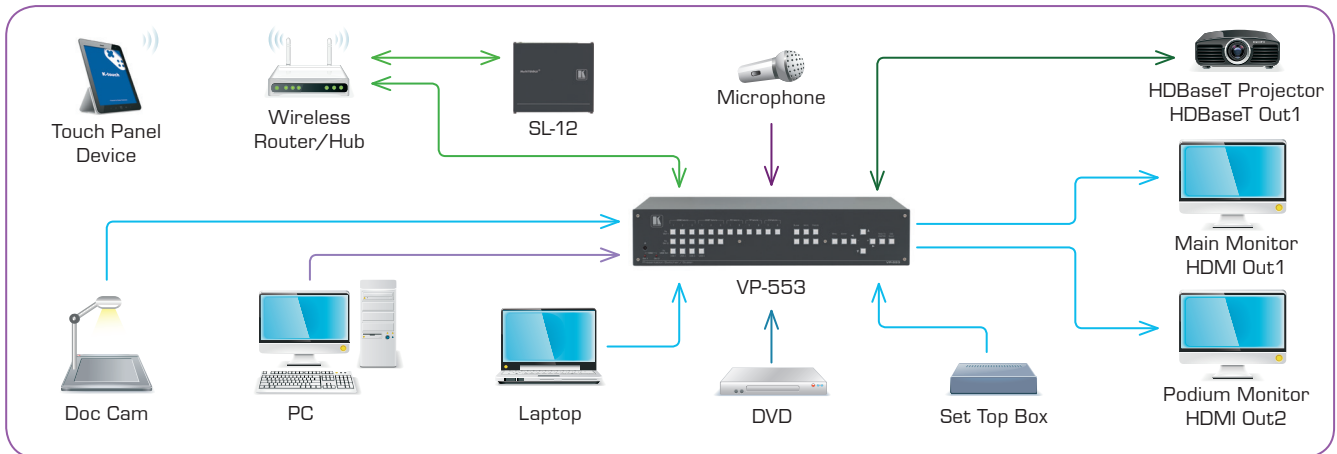
Case Study 6: Local Audio Muting for PA or Emergency Announcements

Closing the REM contact closure mutes all audio outputs on the VP-553 to allow easy integration with an emergency PA system used in conjunction with the local audio.



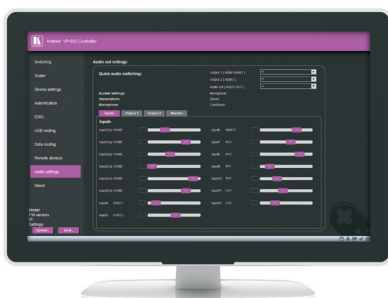
Case Study 7: Setups with Three Different Display Devices

Since the HDBaseT and HDMI of Output1 are simultaneously available, you can connect up to three displays to the VP-553 with two of them sharing the same scaled output settings.



EXTENSIVE WEB PAGE-BASED SETUP AND CONTROL OPTIONS

Extensive Web pages give you the tools to fully set up and control the VP-553. This includes video, audio and USB switching, audio DSP and level setup, configuring video scaler settings, EDID management and changing the device settings. Web pages can be accessed from most Web browsers and can be locked with a password.



INPUT VOLUME LEVELS



DEDICATED DSP FOR
AUDIO OUTPUT

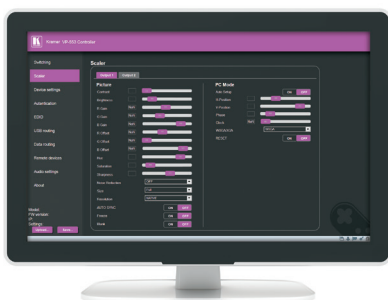
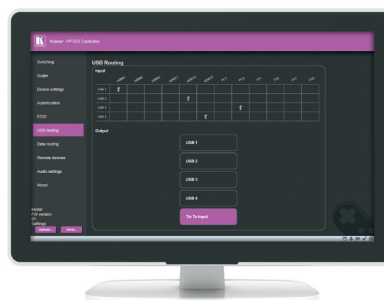


IMAGE SETTINGS

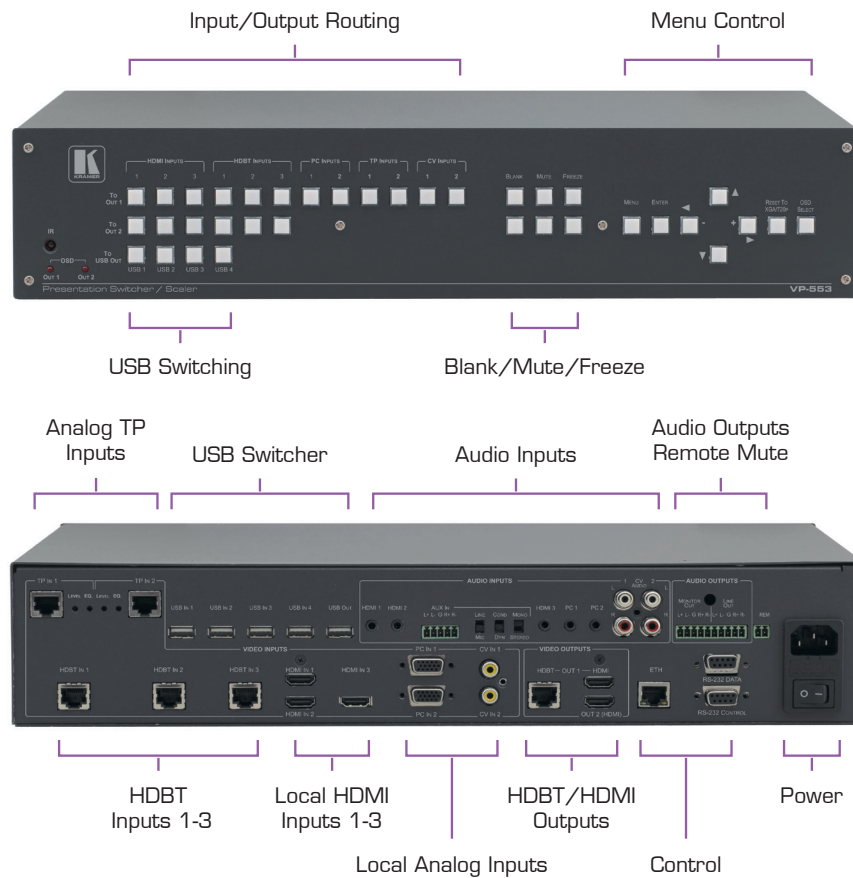


FLEXIBLE USB
SWITCHING SETTINGS



ADVANCED
SWITCHING CONTROL

VP-553 – PRODUCT OVERVIEW AND FEATURES



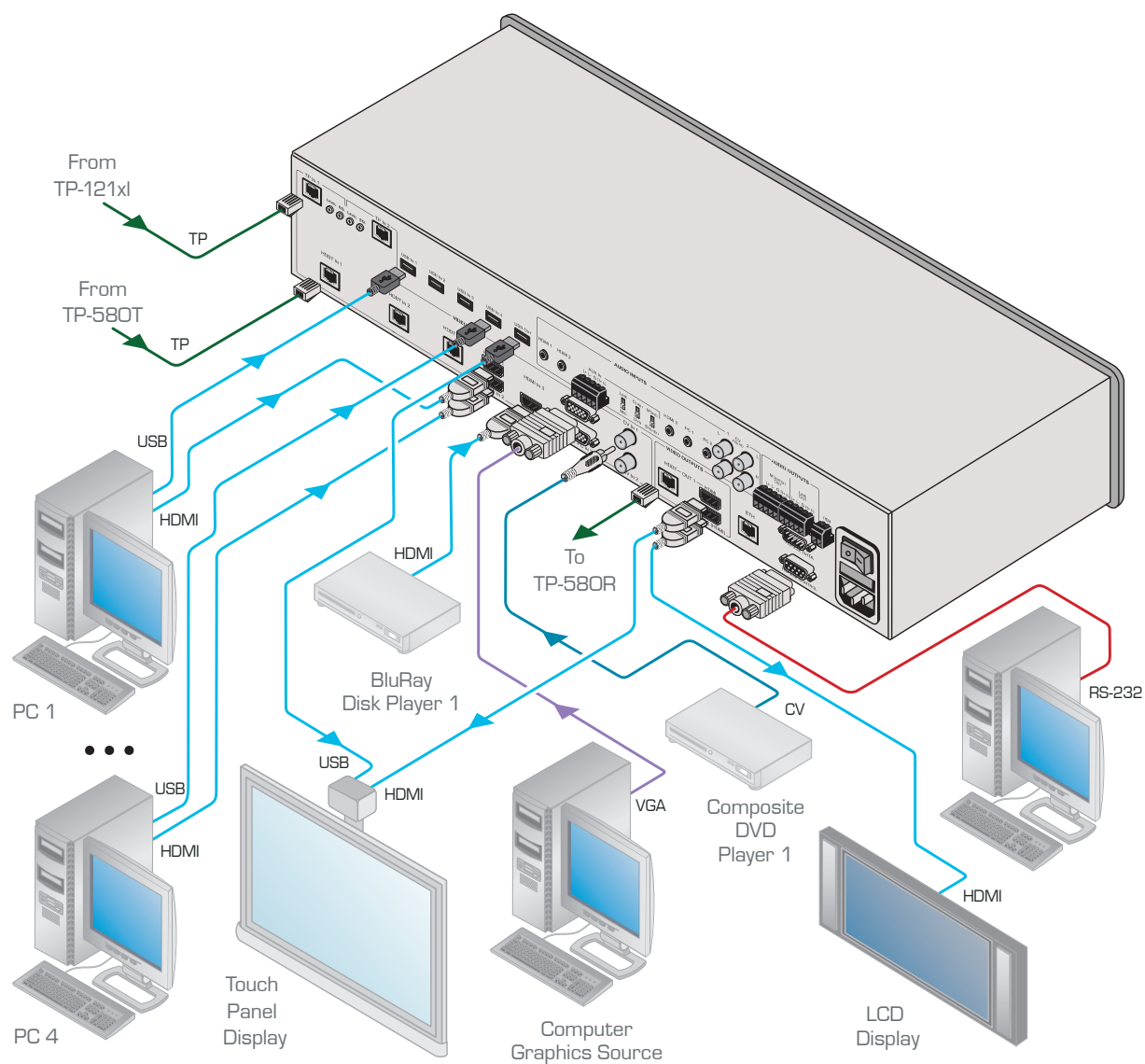
- Pix-Perfect™ Scaling Technology – Kramer’s precision pixel mapping and high quality scaling technology. High-quality 3:2 and 2:2 pull down de-interlacing and full up- and down-scaling of video input signals.
- HDBaseT™ Range – Up to 70m (230ft).
- HDTV Compatible.
- HDCP Compliant – The HDCP (High Definition Content Protection) license agreement allows copy-protected data on the HDMI input to pass only to the HDMI outputs.
- Inputs – 3 HDMI connectors, 3 HDBaseT™ on RJ-45 connectors, 2 VGA on 15-pin HD connectors, each with unbalanced stereo audio on 3.5mm connectors; 2 VGA & audio over CAT 5 on RJ-45 connectors; 2 composite video on RCA connectors with unbalanced stereo audio on 3.5mm mini jacks; 4 USB2.0.
- Scaled Outputs – 2 HDMI (1 also outputs HDBaseT™).
- Output Resolutions – Up to 1080p/UXGA with selectable refresh rates.
- 4x1 USB Switcher – Sets to follow the switching of the video layer or as an independent switcher.
- OSD (On Screen Display) – For easy setup and adjustment, accessible via the IR remote control and via the front panel buttons.
- Audio DSP – Powerful digital audio signal processing.
- Input and Output Audio Level Adjustment.
- Selectable Microphone Talkover or Mix Modes.
- Automatic Audio Detection & Selection – Of the HDMI input source, default selection is HDMI. If not present, the unit uses the audio from the analog input. Manual audio selection is also available.
- Audio Inputs – 3 analog HDMI audio, 2 analog PC audio on 3.5mm mini jacks; 2 stereo CV audio on RCA connectors each with individual level controls.
- Microphone Input – Dynamic or condenser (with 48V phantom voltage).
- Audio Outputs – 2 balanced stereo audio on terminal blocks.
- Multiple Aspect Ratio Selections – Full, overscan, underscan, letterbox & panscan.
- Built-in ProcAmp – Color, hue, sharpness, noise, contrast & brightness.
- Front Panel Control – Audio mute, video blanking & freeze frame.
- Front Panel Lockout.
- Built-in Web Pages – For easy setup and remote control.
- Firmware Upgrade – Via Ethernet.
- Non-Volatile Memory – Saves final settings.
- Flexible Control Options – Front panel, IR remote with OSD (on-screen display), Ethernet with built-in Web pages & RS-232.
- Worldwide Power Supply – 100–240V AC.
- Size – 19" (2U).

COMPATIBLE WITH KRAMER'S HDBaseT™ PRODUCTS



The HDBaseT™ input and output ports of the VP-553 work flawlessly with all Kramer HDBaseT™ transmitters and receivers and are available as tools or wall plates for flexible system design.

VP-553 APPLICATION DIAGRAM



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