

# 7 x 3 Seamless Presentation Matrix Switch with Scaler, Streaming, Audio Mixer, and HDBaseT

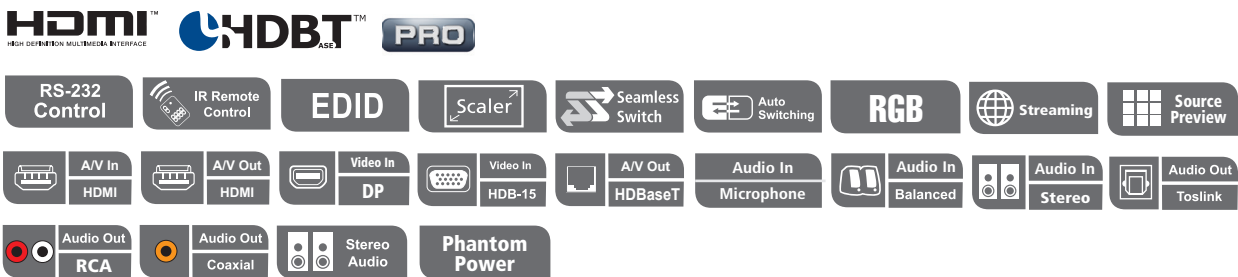
VP2730

Facilitating Seamless Streaming Collaboration

VP2730 is a multi-in-one presentation switch that integrates video matrix switch with scaler, streaming, audio mixer, HDBaseT extender, and analog-to-digital converter functions into one compact device. With seven multi-format inputs to two HDMI and one HDBaseT high-definition outputs, VP2730 empowers larger meetings and facilitates collaboration between local and remote participants in boardrooms, video conferencing rooms, lecture halls or distance learning classrooms.

With the user in mind, VP2730 comes with a straightforward and accessible OSD and Web GUI to streamline operation for both local and remote participants. To facilitate sharing and collaboration with no distance limitations, VP2730 not only allows the meeting moderator to share video content to up to five remote sites, but also enables remote sites or local participants to wirelessly stream in their content for discussion. The moderator can monitor and switch among sources in any variation of full-screen, dual-view, tri-view, quad-view or PIP modes, with up to six sources displayed simultaneously on one screen.

VP2730 also features more advanced meeting management functions: Moderator Mode enables the meeting moderator to control other displays via the host display; Chat Room facilitates meeting communications; while Screen Capture and Freeze record and control the meeting flow. This Collaborative presentation solution facilitates distance-free content sharing along with advanced audio, simplifying AV integration via eliminating the need for numerous individual components and the compatibility challenges that accompany them.



**HDMI™** HIGH DEFINITION MULTIMEDIA INTERFACE | **HDBaseT™** | **PRO**

- RS-232 Control
- IR Remote Control
- EDID
- Scaler
- Seamless Switch
- Auto Switching
- RGB
- Streaming
- Source Preview
- A/V In HDMI
- A/V Out HDMI
- Video In DP
- Video In HDB-15
- A/V Out HDBaseT
- Audio In Microphone
- Audio In Balanced
- Audio In Stereo
- Audio Out Toslink
- Audio Out RCA
- Audio Out Coaxial
- Stereo Audio
- Phantom Power

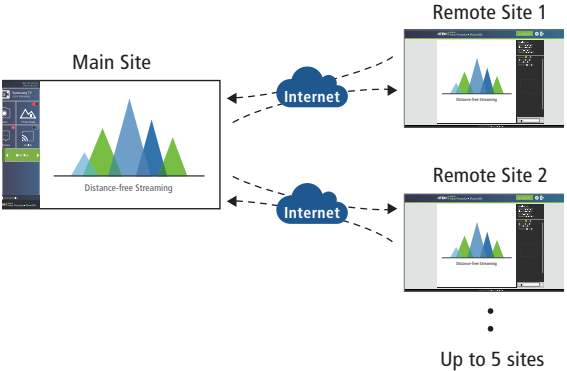

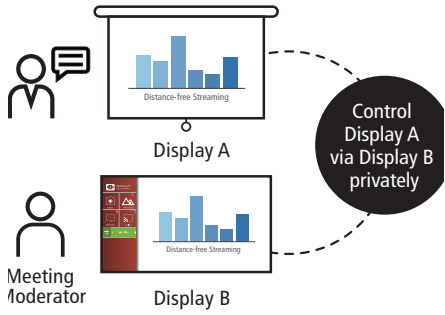

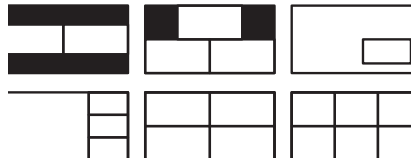
Front View



Rear View



## Highlights

|  |  |
|--|--|
| <p><b>Bi-directional Distance-free Streaming</b></p> | <p>Enhance workflow and expedite collaboration with bi-directional content streaming. Go live to stream out HD video to up to 5 remote sites or stream in content from a remote site via an intuitive web GUI.</p>  <p>The diagram illustrates a central 'Main Site' connected to multiple 'Remote Sites' (Remote Site 1, Remote Site 2, and up to 5 sites) via 'Internet' connections. Each site displays a 'Distance-free Streaming' interface with a bar chart.</p> |
| <p><b>Ultra Seamless Switching with Scaler</b></p>   | <p>Zero second switching without any latency while scaling for the best output resolution ensures extra smooth presentations.</p>  <p>The diagram shows a video stream (represented by a mountain icon) entering a 'Scaler' block, which then outputs to multiple displays (represented by different colored icons).</p>  |
| <p><b>Moderator Mode</b></p>                         | <p>The meeting moderator can control any output display remotely and discretely without interrupting the meeting flow.</p>  <p>The diagram shows a 'Meeting Moderator' icon connected to two displays, 'Display A' and 'Display B'. A dashed line connects the moderator to a callout box that says 'Control Display A via Display B privately'.</p>   |
| <p><b>Built-in Audio Mixer</b></p>                   | <p>Supports dynamic and condenser microphone input with selectable 48V Phantom Power and allows microphone input to be mixed with program audio.</p>  <p>The diagram shows two microphone input icons (green and blue) entering an 'Audio Mixer' block, which then outputs a mixed audio signal (represented by a waveform).</p>   |
| <p><b>Multi-view Flexibility</b></p>                 | <p>Display and switch simultaneously up to six sources on PiP (picture in picture) PbP (picture by picture), quad-view, and more.</p>  <p>The diagram shows several different multi-view layouts: a 2x2 grid, a 3x2 grid, and a 4x2 grid, illustrating how multiple video sources can be displayed simultaneously.</p>   |

## Features

### Seamless Multi-format AV Switching

- Supports multi-format 7 Inputs:
  - 2 combo inputs (HDMI / VGA, HDMI / DisplayPort)
  - 3 HDMI inputs
- 2 HDMI and 1 HDBaseT outputs
- Superior video quality up to 1080p @ 60Hz (HDMI / DisplayPort)
- Ultra Seamless Switch™ – zero second switching that provides continuous video streams, real-time switching and stable signal transmissions
- Scaler – features a video scaling function to convert input resolutions to the optimum display resolutions
- Flexible aspect ratio conversion

### 1080p Streaming for Distance-free Sharing and Collaboration

- Go Live – meeting moderator can broadcast HD video streams to up to 5 remote locations
- Streaming In – remote locations can stream and share content to the meeting moderator at any distance via intuitive web GUI
- Streaming Queuing – shares the streamed-in content approved by the meeting moderator one at a time to help manage the meeting flow

### Audio Mixer Integration for Advanced Applications

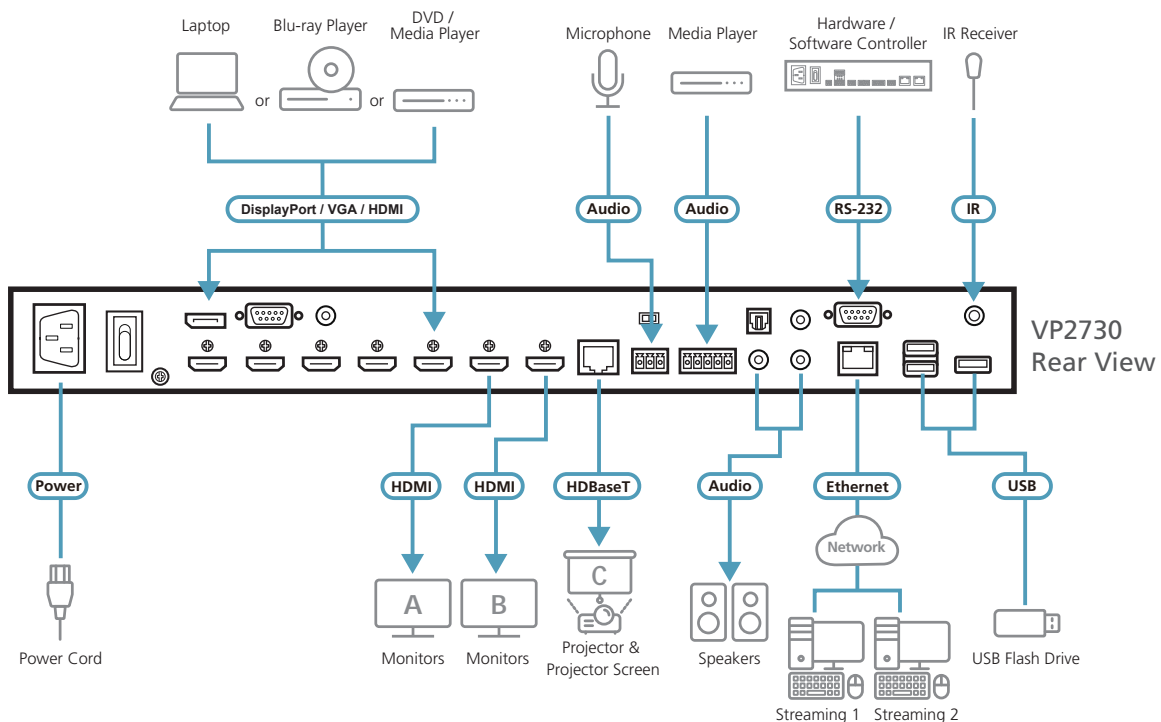
- Audio Mixer – allows mixing of the microphone inputs to any external analog or digital audio output device
- Embed / De-embed Audio – HDMI / DisplayPort audio signals can be extracted to separate digital / analog audio signals; Mic/Line audio can be embedded to HDMI audio
- Supports multi-format digital / analog audio outputs, including coaxial, TOSLINK and RCA

### Advanced Conferencing Management Features for Collaboration

- Multi-view – displays and switches simultaneously in any variation of full-screen, dual-view, tri-view, quad-view or PIP modes, with up to six sources displayed simultaneously on one screen
- Moderator Mode – enables the meeting moderator control other displays via host display
- Chat Room – facilitates real-time and precise communication among remote participants
- Screen Capture – captures anything on your screen with a click
- Freeze – freezes the screen for discussion or to control the meeting flow

### Streamlined Operation

- View and control via ATEN Video Presentation Control App in a swift and agile way
- Multiple Control Options – flexible control via built-in Web UI, Front Panel, OSD, IR Remote Control, and RS-232
- Auto switching – automatically detects and switches to a new source as soon as it is connected for time-saving and convenience



## Specifications

| VP2730                      |  |
|-----------------------------|--|
| <b>Video Input</b>          |  |
| Interfaces                  | 5 x HDMI Type-A female (Black); 1 x DP Female (Black); 1 x HDB-15 Female (Blue)  |
| <b>Video Output</b>         |  |
| Interfaces                  | 2 x HDMI Type-A female (Black); HDBaseT: 1 x RJ-45 Female (Silver)   |
| Max. Distance               | HDMI: Up to 15m<br>HDBaseT: Up to 1080p@60m (Cat 5e / 6) / 70m (Cat 6a / ATEN 2L-2910 Cat 6)   |
| <b>Video</b>                |  |
| Max. Resolution             | HDMI / DP: Up to 1080p@60Hz; VGA / Analog: Up to 1920x1200@60Hz  |
| Compliance                  | HDMI / DP: HDCP 1.4 Compatible; Consumer Electronics Control (CEC)   |
| <b>Audio</b>                |  |
| Input                       | Stereo Audio: 1 x mini stereo Jack female (Green)<br>Balance Audio: 1 x Captive Screw Connector, 5-pole<br>Microphone: 1 x Captive Screw Connector, 3-pole   |
| Output                      | Optical Audio: 1 x Toslink (Black)<br>Coaxial Audio: 1 x RCA female (Orange)<br>Stereo Audio: 2 x RCA female (White / Red)   |
| <b>Connectors</b>           |  |
| Console Ports               | USB 2.0: 2 x USB Type-A Female (White); USB 3.0: 1 x USB Type-A Female (Blue)  |
| Power                       | 1 x 3-prong AC Socket  |
| <b>Control</b>              |  |
| RS-232                      | 1 x DB-9 female (Black)  |
| IR                          | 1 x Mini Stereo Jack Female (Black)  |
| Ethernet                    | 1 x RJ-45 Female (Silver)  |
| <b>Switches</b>             |  |
| Power                       | 1 x Pushbutton; 1 x Rocker   |
| Video Input Port Selection  | Video In: 5 x Pushbutton; Streaming In: 1 x Pushbutton   |
| Video Output Port Selection | 3 x Pushbutton   |
| Selection                   | Multiview: 1 x Pushbutton; Menu: 1 x Pushbutton; Left: 1 x Pushbutton;<br>Up (Unlock): 1 x Pushbutton; Right: 1 x Pushbutton; Go Live: 1 x Pushbutton;<br>Mute: 1 x Pushbutton; Esc: 1 x Pushbutton; Down: 1 x Pushbutton; Enter: 1 x Pushbutton |
| Phantom power               | 1 x Slide Switch   |
| <b>LEDs</b>                 |  |
| Video                       | Source 1: HDMI / DP: 2 (Green); Source 2: HDMI / VGA: 2 (Green)  |
| Video Output                | Go Live: 3 (Amber)   |
| <b>EDID Settings</b>        | EDID Mode: ATEN Default / Display A  |
| <b>Power</b>                |  |
| Maximum Input Power Rating  | 100 – 240 VAC; 50 – 60Hz; 1.0A   |
| <b>Power Consumption</b>    | AC 110V: 28.5W; AC 220V: 27.3W   |
| <b>Environmental</b>        |  |
| Operating Temperature       | 0 – 40 °C  |
| Storage Temperature         | -20 – 60 °C  |
| Humidity                    | 0 – 80% RH, Non-Condensing   |
| <b>Physical Properties</b>  |  |
| Housing                     | Metal  |
| Weight                      | 3.70 kg  |
| Dimensions (L x W x H)      | 43.24 x 26.28 x 4.40 cm  |

### ATEN International Co., Ltd.

3F., No. 125, Sec. 2, Datung Rd., Sijhih District., New Taipei City 221, Taiwan  
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767  
 www.aten.com E-mail: marketing@aten.com

Product information is subject to change without prior notice.

Released: 10/2024 V4.0

© Copyright 2024 ATEN® International Co. Ltd.  
 ATEN and the ATEN logo are registered trademarks of ATEN International Co., Ltd.  
 All rights reserved. All other trademarks are the property of their respective owners.  
 The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

