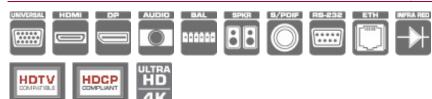## VP-732

10−input ProScale™ Presentation Switcher with Preview & Program Outputs

The VP−732 is a 10−input presentation switcher/dual scaler with four HDMI, two DisplayPort and four user−definable (universal) analog video inputs. It up− and down−scales to selectable graphics or HDTV output resolutions to preview and program outputs (up to Ultra−HD 4K on the program output) and provides ultra−fast fade−thru−black switching between sources. VP−732 supports analog and embedded audio inputs and outputs and includes rich audio functionality and a stereo loudspeaker output.

## FEATURES

- **Kramer's PixPerfect™ Scaling Technology** - Kramer's precision pixel mapping and high quality scaling technology.
- **Ultra-Fast Fade-Thru-Black (FTB™) Switching** - For smooth, glitch−free switching. The output signal provides constant sync so the display never glitches.
- **K-IIT XL™ Picture-in-Picture Image Insertion Technology** - Ultra−stable picture−in−picture, picture−and−picture, and split screen capability. Any input source can be inserted into or positioned next to any other source or vice versa with window positioning and sizing controls.
- **HDCP Compliant.**
- **HDTV Compatible.**
- **Dual Scalers with Independent Outputs.**
- **10 Program & 10 Preview/PIP Input Select Buttons** - For quick selection of the program/preview/PIP source.
- **Output Resolutions** - With selectable refresh rates: up to 4K UHD on the program output, 720p on the preview output.
- **Scaled Video Outputs** - On 2 HDMI, 1 DP and 1 15−pin HD computer graphics connectors.
- **Multiple Aspect Ratio Selections.**
- **Audio Inputs** - 10 3.5mm.
- **Audio Breakaway and Audio−Follow−Video Support.**
- **Selectable Audio Delay.**
- **Embed/De-embed Audio** - On the HDMI and DisplayPort inputs and outputs.
- **Advanced Noise Reduction Features** - Improve video quality by reducing artifacts such as block, chroma and mosquito noise.
- **Powerful Audio Features** - With DSP technology including audio equalization, mixing, delay and so on.
- **Stereo Speaker Output** - 10W per channel into 8Ω, on a 4−pin terminal block connector.
- **Built-in Video Proc-Amp** - Color, hue, sharpness, contrast, and brightness are set individually for each input.
- **Function Buttons** - BLANK and FREEZE buttons for both preview/PIP and program outputs.

- **Firmware Upgrade** - Ethernet−based, via a user−friendly software upgrade tool.
- **OSD (On-Screen Display)** - For user−friendly control and adjustments.
- **Built-in Web Server** - Built−in Web pages for full control via Ethernet.
- **Advanced EDID Management.**
- **Scales & Zooms.**
- **Non-Volatile Memory** - Saves final settings and setup configurations.
- **Flexible Control Options** - Front panel buttons, IR remote control, RS−232, Ethernet with Web browser.
- **Worldwide Power Supply** - 100−240V AC.

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| | stereo audio on 3.5mm mini jacks. |
| OUTPUTS: | 2 HDMI connectors, 1 DP connector, 1 PC (computer graphics) on a 15−pin HD connector, 1 balanced audio stereo output on a 5−pin terminal block (+4dBu nominal), 1 stereo speaker output (10W per channel into 8Ω) on a 4−pin terminal block connector, 1 digital S/PDIF output on an RCA connector. |
| COMPLIANCE WITH HDMI STANDARD: | Supports HDMI and HDCP. |
| OUTPUT RESOLUTIONS: | PROGRAM:<br>Native HDMI1, Native HDMI2, Native DP, Native VGA, 640x480x60Hz, 640x480x75Hz, 800x600x50Hz, 800x600x60Hz, 800x600x75Hz, 1024x768x50Hz, 1024x768x60Hz, 1024x768x75Hz, 1280x768x50Hz, 1280x768x60Hz, 1280x720x60Hz, 1280x800x60Hz, 1280x1024x50Hz, 1280x1024x60Hz, 1280x1024x75Hz, 1366x768x50Hz, 1366x768x60Hz, 1400x1050x50Hz, 1400x1050x60Hz, 1600x900x60Hz (R), 1600x1200x50Hz, 1600x1200x60Hz, 1680x1050x60Hz, 1920x1080x60Hz, 1920x1200x60Hz (R), 2048x1080x50Hz, 2048x1080x60Hz, 3840x2160@24Hz, 3840x2160@25Hz, 3840x2160@29.97Hz, 3840x2160@30Hz, 4096x2160@24Hz, 480px60Hz, 576px50Hz, 720px50Hz, 720px60Hz, 1080i/1080px50Hz, 1080i/1080px60Hz, 1080px50Hz, 1080px60Hz, 1080px24Hz, 480px59.94Hz, 720px59.94Hz, 1080i/1080px59.94Hz, 1080px23.98, 1080px29.97, 1080px59.94, Custom 1 to Custom 4<br>PREVIEW:<br>Single Picture, 640x480x60Hz, 640x480x75Hz, 800x600x50Hz, 800x600x60Hz, 800x600x75Hz, 1024x768x50Hz, 1024x768x60Hz, 1024x768x75Hz, 1280x768x50Hz, 1280x768x60Hz, 1280x720x60Hz, 1280x800x60Hz, 1280x1024x50Hz, 1280x1024x60Hz, 1280x1024x75Hz, 480px60Hz, 576px50Hz, 720px50Hz, 720px60Hz, 480px59.94Hz, 720px59.94Hz, Custom 1 to Custom 4. |
| CONTROL: | Front panel buttons/OSD, IR remote control, RS−232 on a 9−pin D−sub connector, Ethernet. |
| ADDITIONAL CONTROLS: | Picture−In−Picture, Picture−and−Picture or Split Screen (two images side−by−side); separate program/preview freeze and zoom, different selectable vertical refresh rates, Video and Audio ProcAmp control, output image scaling and aspect ratio change, EDID capture. |
| POWER SOURCE: | 100−240V AC, 50/60Hz, 49VA. |
| OPERATING TEMPERATURE: | 0° to +40°C (32° to 104°F). |
| STORAGE TEMPERATURE: | −40° to +70°C (−40° to 158°F). |
| HUMIDITY: | 10% to 90%, RHL non−condensing. |
| DIMENSIONS: | 19" x 9.3" x 1U W, D, H, rack mountable. |
| WEIGHT: | 2.45kg (5.4lbs) approx. |
| INCLUDED ACCESSORIES: | Rack "ears", IR remote control, power cord. |