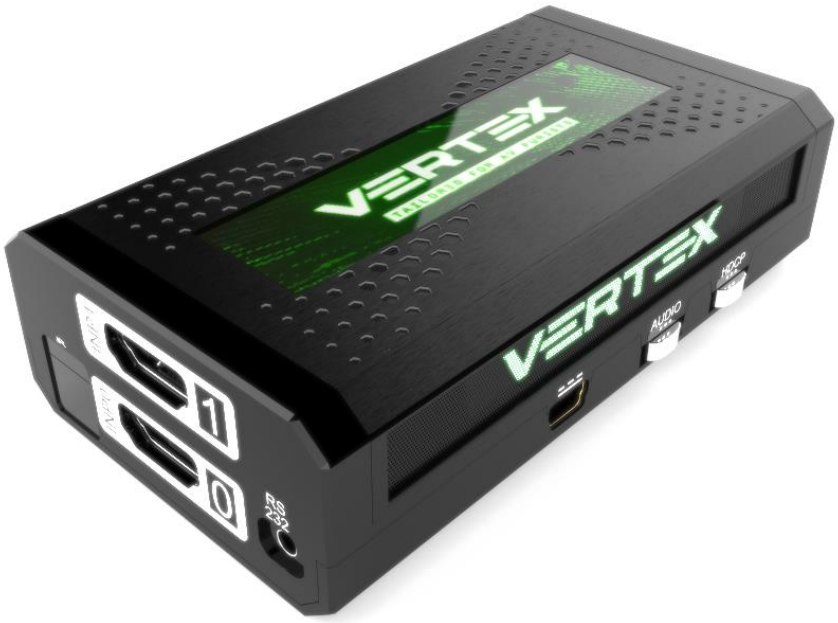
4K Vertex 18Gbps



FCC-B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the measures listed below.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Notice 1

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice 2

Shielded interface cables and A.C. power cord, if any, must be used in order to comply with the emission limits.

VOIR LA NOTICE D'INSTALLATION AVANT DE RACCORDER AU RESEAU.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) this device may not cause harmful interference, and
2) this device must accept any interference received, including interference that may cause undesired operation.

CE Conformity

Hereby, LegendSky Tech CO., LTD declares that this device is in compliance with the essential safety requirements and other relevant provisions set out in the European Directive.

N1996

Main Specifications

› 2x Input / 2x Output Splitter/Matrix/Scaler (HDMI2.0b/HDMI1.4/DVI1.0 compatible)
■ 4K60 4:4:4 600MHz 18Gbps Pass through
■ 4K24/25/30/50/60 <> 1080p24/25/30/50/60 Upscale/Downscale with or without colordepth maintained and with or without chroma conversion.
■ Video Bandwidth - 18 GBP/sec.
■ HDR10+/Dolby Vision Support.
■ 4K 10, 12, 16 Bit Support
■ 16 Bit Per Pixel Deep Color Depth Available (48 Bit)
■ Max Res: 4K60 4:4:4 8b, 4K60 4:2:2 12b, 4K120 4:2:0 8b or 8K30 4:2:0 8b
■ Signal Conversion: Resolution, Chroma Subsampling, Color Space, Color Depth, HDCP

› HDCP Doctor (HDCP Workaround solution to any HDCP error)
■ HDCP 2.2 > HDCP 1.4 conversion
■ HDCP 1.4 > HDCP 2.2 conversion
■ HDCP x.x > HDCP x.x conversion
■ Dual HDMI2.0b & HDMI 1.4 combined
■ Dual HDCP 1.4 & HDCP 2.2 combined

› CEC Support: For inter-device control between both inputs and the primary output (BOT) HDMI channel.
› OLED infoscreen and OSD to provide useful and insight view of signal information
› Audio Extracting: Audio De-Embedder of Optical & Analog L/R

› Advanced EDID management via USB, IR or Bluetooth APP
■ Improved EDID Management solution with either a Selected EDID bank, Custom uploaded EDID, Self-generated Automix EDID or a Fixed basic EDID.
■ Sniff EDID from connected sink devices, Save, Edit, Load any custom EDID table at any time.
■ Select and pick any EDID of your choice from a preloaded list of EDID tables, it loads and reset HPD to present your chosen one automatically.
■ AutoMix EDID feature will create a custom EDID by mixing both sink EDID connected to the splitter output ports.
■ Some EDID flags can be forced in Automix such as: Stereo/5.1/Full/YCbCr/BT2020/HDR/3D
■ Each input can run a specific/individual EDID.

› Infoframe Modes: Capture, edit, block or replace HDR metadata, AVI & VSIF.
Read SPD, Audio, HDMI Vendor, HDMI Forum
› Control Modes: IR, Windows GUI, RS232 for Linux/MAC/Win, Android/iOS with GoBlue.
› HDMI Booster/Extender: Capable of extending 1080p resolution up to 15m. in and 15m. out (30m. total for 1080p), UHD resolution up to 10m.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

- HDMI Doctor: Solves most HDMI integration issues such as HDCP, EDID, HPD, and audio breakout.
- HDMI Equalevel: Precise signal equalization for both input and output signals delivers the best possible picture quality with no dropouts.
- Hot-Plug control: Force the input device to always see an active connection.
- Deep Color Support
- xvYCC Color Support
- Flexible/Portable/Plug'n Play
- 3D Ready: Capability to pass 3D stereoscopic signal formats.
- Public API/DLL access and extensive control to extract, edit and inject HDR metadata, AVI and VSIF Infoframe. Read SPD, Audio, Vendor Specific and more.
- Share your config with the community, display any text on OSD, set your start page, remove visually annoying or lamp consuming artifacts like TV channel logo and more.

Supported Audio/Video Signals

- Supported Format: SD/HD/FullHD/UHD/4K30/4K60, basically INPUT/OUTPUT any video format up to 4K60 4:4:4 600MHz 18Gbps.
- Supported Resolution examples: 480p/720p/1080i/1080p24/1080p25/1080p30/1080p50/1080p60/1440p50/1440p60/2160p24/2160p25/2160p30/2160p50/2160p60 and DCI
- Support all UHD/BR and HDR standard resolution: 4K60 4:2:2 12bit BT2020 HDR, 4K60 4:2:0 10bit BT2020 HDR, 4K60 4:2:0 12bit, 4K30 4:4:4 12bit, ..
- Support all VESA mode video formats (PC Resolutions) up to ultra-high resolution such as WQSXGA, QUXGA, QFHD, WQUXGA, 4K
- Support any Audio format such as PCM at up to 192kHz, compressed audio (IEC61937), DSD, DST,DTS, DTS-HD, Dolby True HD, DTS-MA, HBR, DD+, DTS:X and Dolby Atmos.

Technical Specifications

- I/O: 2 HDMI In, 2 HDMI Out, IR, RS232, USB, Analog Mini Jack, Optical S/PDIF Out.
- OLED Display: 3.12" diagonal, 256×64, 32 green colors
- Audio: PCM at up to 192kHz, compressed audio (IEC61937), DSD, DST, DTS, DTS-HD, Dolby True HD, DTS-MA and HBR.
- DDC Signal: 5V p-p (TTL)
- Power Supply: External 5 Volt 2 Amp USB (same as most smartphone/tablet PSU)
- Power Consumption: <2Watts
- Product Dimensions: 3.9"L x 2.4"W x 0.8"H – in CM: 10 x 6 x 3 Weight: 130g – 0.3 LBS
- Shipping Dimensions: 6.3" x 4.2" x 3.3", Weight: 16 oz
- Enclosure: Black PVC/Silver metal with Green Led
- Regulation: CE, FCC, RoHS, WEEE

Certifications

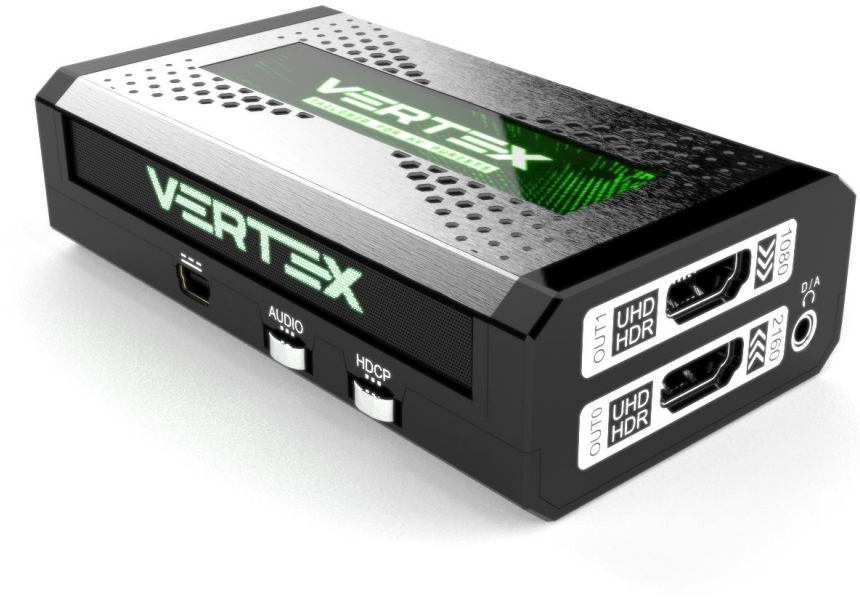
Vertex CE Certification

Vertex RoHS Certification

Vertex FCC Certification

Team HDfury thanks you for your support

For help visit our support server or contact us.



www.HDfury.com

Vertex was built with love and passion for our 10th Anniversary.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*