



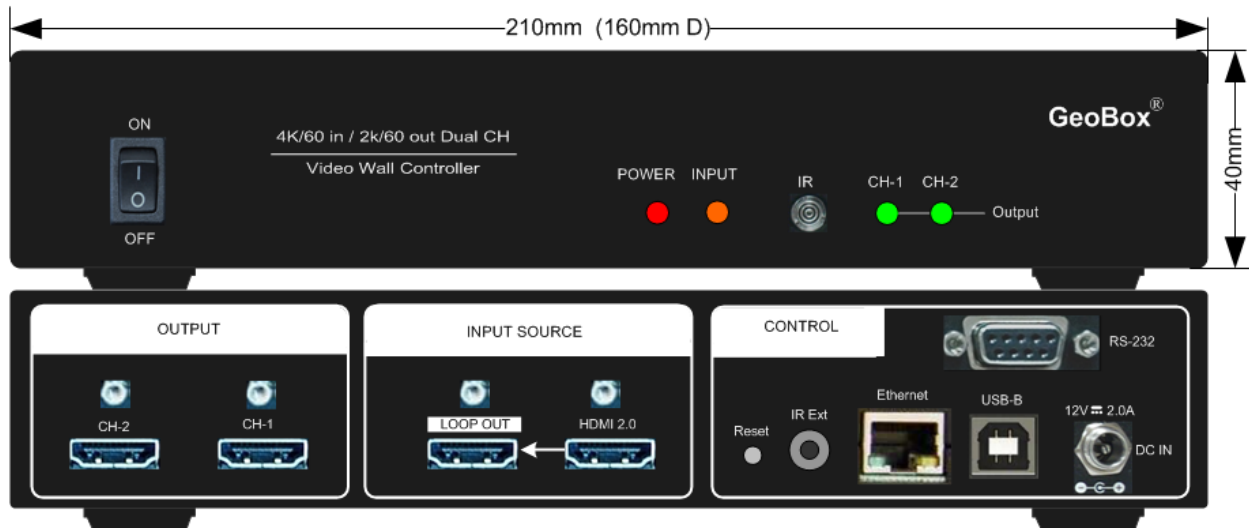
The absolute opposite of ordinary

G406s 4K/60 video wall controller

1 in / 2 out in one box, HDMI 2.0 / HDCP 2.2 input up to DCi/UHD 4K/60 fps, 10-bit processor, 4:4:4 Chroma sampling, Independent rotation/ scaling/ cropping and color adjustment



| | | | | | | | |
|---------------------------------|------------------------------|---|--|-------------------------------------|---|---------------------------------------|-----------------------------------|
| DCi/UHD 4k/60/4:4:4 | HDMI 2.0 | HDCP 2.2/1.4 | HDR Ready | 10-bit High-end scaler | Cadence Film 3:2 / 2:2 | 3D Motion De-interlace | Deep Color xvYCC/12-bit |
| Mosaic Irregular wall | Multi-Unit Cascade | Flexible Aspect Ratio Bezel Correction | Rotation Landscape Portrait | Loop Out Daisy chain | Control IR/USB/RS232 /Ethernet | Projector Output overlap | RoHS CE FCC |



G406s Dual channel controller

GeoBox G406s is simplified version of G406L Video Wall controller. It incorporates 1x HDMI 2.0 input and 1x HDMI 2.0 loop-through port to support up to DCi/UHD 60 fps input signal as well as two synchronized Full HD outputs. Each output has independent image rotation/flip, scaling, cropping and color adjustment outputs to allow great freedom in creating any scale video wall with different LCD arrays.

It is pure hardware, standalone system with easy-of-use. All operations can be implemented through IR remote controller, USB, RS232 or Ethernet. No additional PC or appropriate software tool is required.

Infinite creative configuration

- ✧ 1x HDMI 2.0 inputs, 2x WUXGA/1080p outputs with flexible multi-unit cascade.
- ✧ Support up to 4096x2160@60Hz input.
- ✧ All inputs and outputs support HDCP 1.4/2.2.
- ✧ One Loop-through port for multiple units cascade in any scale display.
- ✧ Pixel base position alignment up to +_ 900 pixels in H&V for flexible image capture, cropping, position alignment, bezel compensation & irregular video wall.
- ✧ Split image and set overlap output up to 900 pixels for projector edge blending application.
- ✧ Independent Image color adjustment in each channel.
- ✧ Independent image rotation and flip/mirror in each channel for variable landscape, portrait and irregular video wall display.
- ✧ Selectable output resolution and programmable EDID to optimize video quality.
- ✧ Flexible aspect ratio adjustment in each edge up to +_ 900 pixels.
- ✧ Frame rate conversion and 50Hz in / 50Hz out to keep video quality without artifact.
- ✧ Frame-Lock function to get perfect synchronization among output channels.
- ✧ Support HDR high dynamic Range color input signal.
- ✧ Easy setup via IR, USB, RS232 & Ethernet. No PC is required.
- ✧ Ready for 24/7 working environment.

Specifications

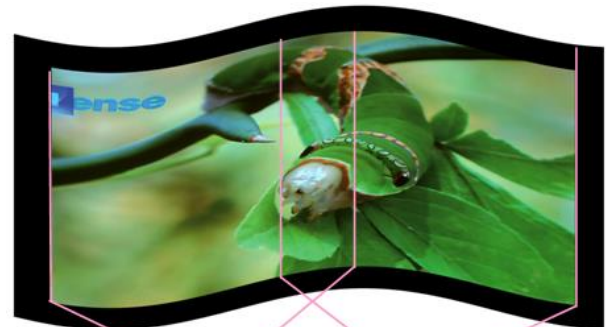
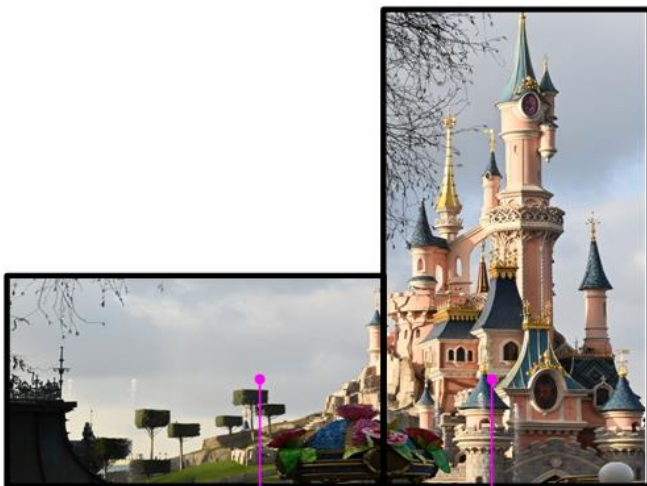
- ✧ Input: 1x HDMI 2.0b
- ✧ Output: 2x HDMI up to 1080P & WUXGA
- ✧ 1x HDMI 2.0 loop out port for multiple unit cascade & daisy chain connection.
- ✧ HDCP V2.2/V1.4 compliant.
- ✧ Max. input resolution: 4096x2160 @60Hz
- ✧ Support non-VESA STD input timings.
- ✧ Support pixel to pixel 8k/4k display.
- ✧ Selectable output up to 1920x1200 60Hz.
- ✧ 4:4:4 Chroma sampling, 30 Color bits, 12-bit RGB gamma CLUT
- ✧ Support sRGB & xvYCC color processing & 8/10/12-bit deep color.
- ✧ 3:2/2:2 cadence, low angle smooth algorithm, high quality scaling engine.
- ✧ Flexible aspect ratio adjustment in each edge up to ± 900 pixels.
- ✧ 50Hz in/out to avoid video artifact.
- ✧ 10-bit processor, frame rate conversion.
- ✧ 3D motion adaptive de-interlace.
- ✧ Frame lock for synchronized outputs.
- ✧ High Dynamic Range (HDR) support: SMPTE ST-2084, SMPTE ST-2086.
- ✧ Individual 90/180/270 rotation, flip, cropping, scaling & color adjustment in each channel.
- ✧ Embedded HDMI audio in each output.
- ✧ Selectable and programmable EDID.
- ✧ ESD Protection: $\pm 8kV$ (Air-gap discharge), $\pm 4kV$ (Contact discharge).
- ✧ DC 12V/1.1A, max. 8w, (100-240 VAC PSU)
- ✧ Working environment: 45° C, 10-90% RH
- ✧ Control: IR, RS232, USB, Ethernet
- ✧ Dimensions: 220mm*160mm*40mm, Weight: 1.1 kg
- ✧ CE/FCC/RoHS/Green Certified
- ✧ 2 Year Warranty, paid extension is available

Application examples

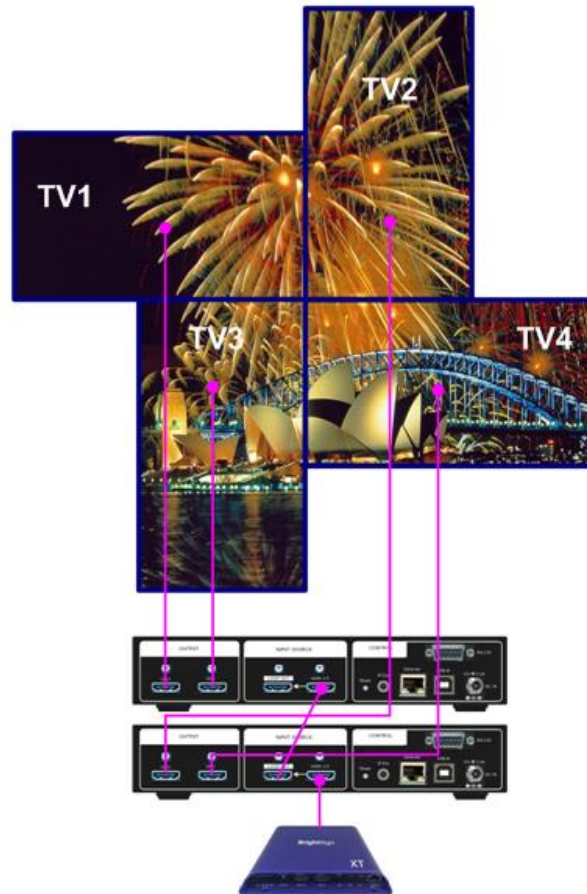


Irregular video wall

Split image and set overlap for projector edge blending



Application in multiple units daisy chain connection



Limitation in image rotation / flip mode

Image rotation at 90/180/270 degrees and RH/LH or Top/Bottom flip is only available for input resolution not larger than 3840x2400 @30Hz.

Sales & Technical support

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Designed and manufactured in Taiwan