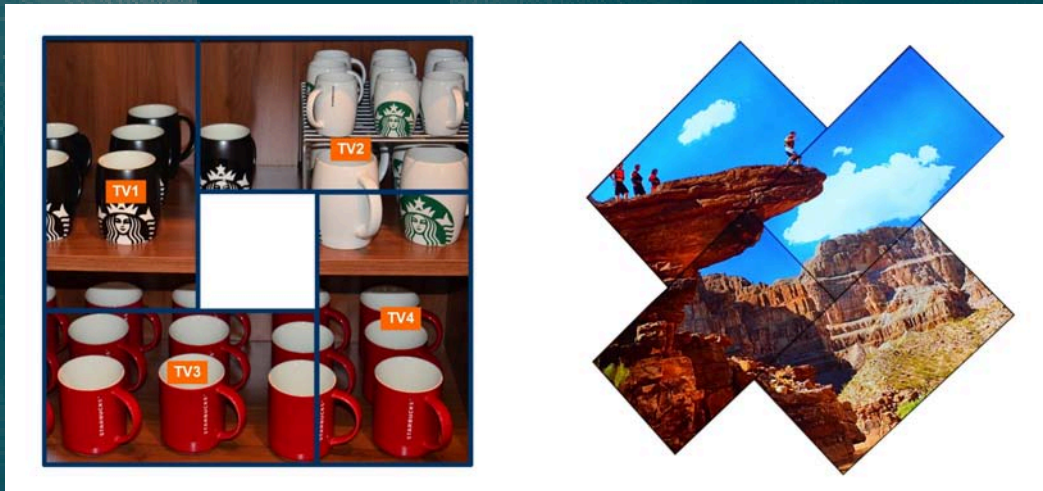


Video Wall Controller



Support 8k/4k video wall with 4x G-401 World simplest creative video wall controller

Professional pure hardware video wall controller with flexible input connection and video switcher function. Low cost TV can be used. No PC is required, low entry barrier, flexible and reliable.

GeoBox is a professional high performance pure hardware video wall controller, designed with high end 10-bit processor. It provides a solution for irregular video wall system with different angle, panel size, resolution and position. It can be connected directly with multiple signal sources, including Blue Ray, Media Player, Game console or PC. Maximum input resolution is up to 4k/2k UHD. True 4k display can be achieved using one 4k/2k signal and 4x LCDs. It also simplifies high resolution video wall system such as 4x4, 5x5, 6x6.... Due to pure hardware system without PC, it is easy to use, more reliable and suitable for all system integrators and inexperienced users.

- True 10-bits 4:4:4 full sampling high end video processor with 3D motion adaptive de-interlace, low angle smooth algorithm, 3:2/2:2 film mode processing.
- Multiple inputs for connection with PC, Blue Ray, Media player, Game console...
- One processor controls up to 4 LCD and can be cascaded up to 15x15 matrix displays.
- Support up to 4k/2k @30Hz or 2560x1600/3840x1080 @60Hz input signals.
- Pixel base overlap region (bezel) and position adjustment up to +_900 pixels.
- Work with 4k UHD signal source to provide high performance video wall .
- Image flip and rotation for creative video wall with different position, rotation angle, LCD size and resolution.
- G-402 provides max. up to 64 preset display modes selected by Dip SW setting. It also provides PIP/PBP function to allow different contents displayed in the video wall.
- Low cost traditional LCD display can be used for video wall application.
- No PC or software required, easy-to-use and more reliable.



GeoBox application in mobile phone Game video displayed on TV

Mobile phone video can be connected through MHL to TV but viewer can only see small image on TV screen. GeoBox can rotate the image and scale the image to fit full screen of TV. Then user can install TV at portrait position to see high quality full image from mobile phone. Left photo is to show mobile game displayed in 47" TV set at portrait position in press release conference.

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G-402 Pre-defined Display modes and LEGO cascade

G-402 is designed with max. up to 64 preset display modes. User can select different Display modes through 6 key Dip switch on front panel. No PC, software or IR remote is required. It is an entirely new concept and world easiest creative video wall controller.

Besides preset display modes, G-402Ex is designed with OSD and remote controller to allow multiple units cascaded like LEGO Block to become big video wall display. Four G-402Ex can easily build a 4x4 UHD 4k/2k high resolution video wall.

Pre-defined display modes selected by Dip SW



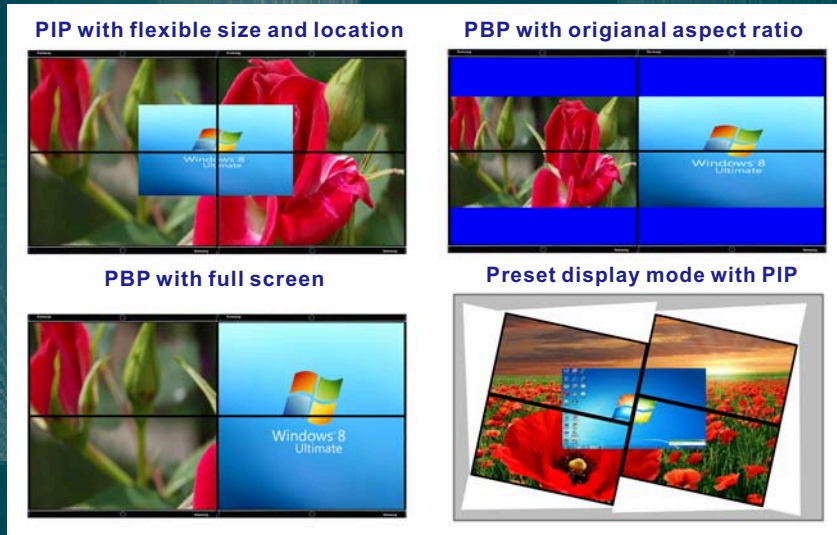
Cascade pre-defined display modes like LEGO

G-402 PIP / PBP function

Conventional TV can be used with top/down bezel position to conquer bezel size issue

G-402 is designed with PIP and PBP function across complete display:

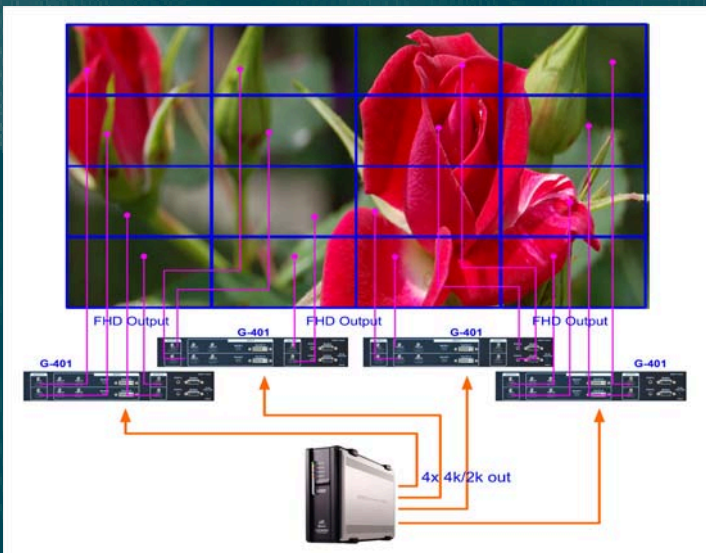
- Mode: PIP and PBP
- Max PIP size: XGA
- Selectable PIP size and location
- 4 LCDs share one PIP
- POP mode allows two discrete contents displayed on 4 LCD
- All PIP/PBP setting via Dip SW
- Optional IR remote controller for pixel by pixel PIP size and position adjustment.



System diagram

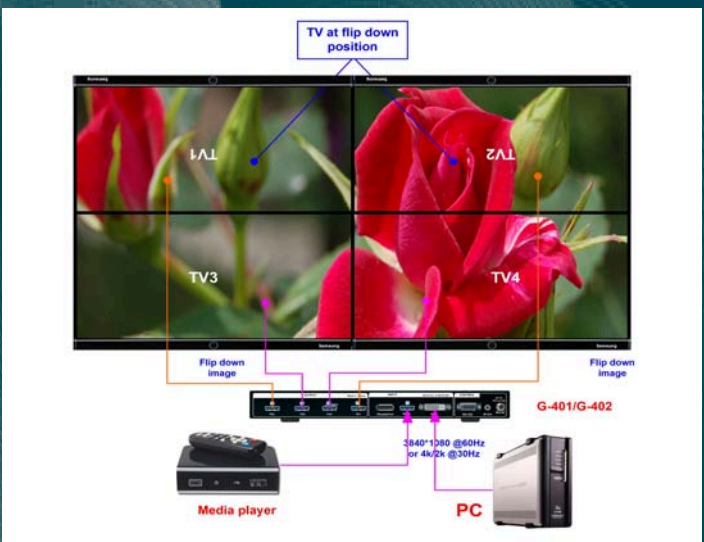
True 8k/4k video wall via 4x G-401 + 16 FHD LCD

Irregular video wall via 1x G-402



Video wall with PIP via 1x G-402

Video wall with top/down flip via G-401 or G-402



Value & Satisfaction

Product selection guide

- G-401:** Two processing modules for 4x LCD connection. True 4k UHD video wall supporting LCD with different size, resolution and location. Flexible bezel and up to 900 pixels H&V position adjustment. With 180 down flip function, TV can be set at top/down position to conquer bezel size issue in 2x2 video wall. No PIP/PBP function or 90/270 rotation.
- G-402:** Easiest, cost effective, with preset display modes selected by Dip SW, support only LCD with the same size. 4x LCD will share one FHD signal. G-402 splits signal source and scale up to FHD for each display.
- G-402Ex:** The same hardware and preset display modes as G-402 with 3-4 LCDs as one display unit. It is integrated with OSD and remote control for advanced settings. G-402Ex can do image rotation, flip for each display unit and cascade multiple units in one big display. Support 4K display in 3x3, 4x4...or more LCD video wall.
- G-303:** Dual channel with HDMI interface, same function as G-401
- G-201:** Dual channel with DVI interface, same function as G-401
- G-101:** Supplementary to G-401/G-402 for image warp, PIP, 90/180/270 flip & rotation, with video switch function
- G-202:** Low cost processor, supplementary to G-401/G-402 for image warp, 90/180/270 flip and rotation. With one loop out port for daisy chain connection.

G-401



4 channel 4k UHD video wall controller

Function and Applications

- True 4k UHD display via one G-401 and 4x FHD LCD.
- Designed with two processing modules to allow single or multiple contents in the video wall.
- Each module has 4 inputs: 2x HDMI, 1x DP, 1x DVI-I and 2x HDMI outputs
- All inputs support 4k/2k @30Hz and 3840x1080 @60Hz.
- Cascade for up to 15x15 matrix video walls.
- Support LCD with top/down flip, different size, position and resolution.

Applications:

- True 4k UHD display via 4x FHD LCD.
- Work with PC for 8k x 4k display using 4x G-401 + 16 FHD LCD.
- Work with G-101 for arbitrary irregular video wall with PIP and rotation.
- Video wall requires Bezel and position precise adjustment.

G-402/G-402Ex



4 channel video wall controller with preset display modes selected by Dip SW

Function and Applications

- Designed with up to 64 Preset display modes, 4x LCD as one module.
- Input: 1x DP, 1x HDMI, 1x DVI-I. Output: 4x HDMI
- HDMI & DP support 4k/2k @30Hz and 3840x1080 @60Hz input.
- PIP/POP function with selectable size and position.
- Display Profiles and PIP controlled by Dip SW. No PC or software is required.
- Flexible connection with Media player, Blue Ray, Ps4 and PC.
- Optional IR control for Cascade like LEGO for 4x2, 4x3, 4x4, 4x5...
- Support only FHD LCD with the same size. No bezel adjustment.

Applications:

- Creative video wall via FHD LCD with same size and resolution.
- Video wall required flexible and easy-to-use without PC.
- Video wall DIY becomes simple and easy.

G-303



G-201



G-303 Dual channel video wall controller with HDMI output

- Input: 2x HDMI, 1x DualLink DVI
- Output: 2x HDMI
- All inputs support 4k/2k @30Hz and 3840x1080 @60Hz.
- Function is same as G-401 but only has dual outputs.
- Cascade up to 15x15 matrix display.

G-201 Dual channel video wall controller with DVI interface

- Input: 1x DualLink DVI
- output: 2x DVI
- Input supports 4k/2k @30Hz and 3840x1080 @60Hz.
- Function is same as G-303 but only has dual HDMI outputs
- Cascade up to 15x15 matrix display.

G-101



G-202



G-101 Single channel video processor with PIP, image warp, flip/rotation and video switcher functions

- Input: 1x HDMI, 1x DVI, 1x DP, 1x VGA, 1x YPbPr
- Output: 1x HDMI, 1x VGA (mirrored)
- DP supports 4k/2k @30Hz and 3840x1080 @60Hz input.
- Image R/L, Top/Down, Front/Rear flip, 90/180/270 rotation, warp & PIP.

G-202 Low cost Single channel video processor with image warp, flip, rotation and loop out port for daisy chain connection

- Input: 1x DVI-I (support DVI-D, VGA, HDMI)
- Output: 1x DVI-D
- 1x DVI-D Loop out port for daisy chain connection.
- Max input/output: 1920x1200 or 1080p