

VW-CG Series

VW-CG Security and AV Video Wall Controller

Model Name:

- VW-CG-4HU4AE0
- VW-CG-8HU8AE0
- VW-CG-12HU12AE0
- VW-CG-16HU16AE0
- VW-CG-20HU20AE0

MAX
MIXTURE
OF **80**
IN/OUTPUTS



// DESCRIPTIONS

Gvision's VW-CG series is a video wall controller designed for security video wall and multi-screen display installations that require a balanced number of HD video captures and HD video outputs. The VW-CG series has unique capture cards and decoder cards of up to 8 HDMI ports and maximum 10 configurable slots to provide flexible solutions for the professional av industry as well as security industry. Advanced PCIe switching chip in the industry.

Each signal has a dedicated transmission channel, which ensures the real-time display of images of all signals. And a service board can be inserted into any service board slot, which allows users to apply boards flexibly. It Supports custom EDID, allowing users to customize the resolution of input video sources.

// KEY FEATURES

- Up To 8 HDMI per slot & Max. 10 Configurable Slots Available
- Embedded Linux OS Ensures 24/7 Stable Operation
- Advanced PCIe Switching Chip in the Industry
- Resolution Real-time Total Adaptation Technology
- Supports Picture In Picture Mode
- Supports Custom EDID, users to Customize the Resolution
- Includes License Free Software of EZWall Client
- 24/7 Operation



Linux
Embedded



Max. 10
Configurable Slots



Redundant
Power (Option)

// SPECIFICATIONS

VW-CG SERIES

CHASSIS	
Dimensions (Inch/mm)	17.59" × 18.54" × 5.19" / 447mm × 471mm × 132mm
Weight (Lbs/Kg)	31.08 lbs (14.1 Kg)
Power Consumption	< 350W / BTU: 1194
Service Board Slots	10
Mixed Insertion	Support
Control Board Interface	1x network, 1x Console serial, 3x RS232/RS485 serial, 2x USB, 1x RST key, 1x SWAP Hot-swappable key
Operation Voltage	100V~ 240V AC 50Hz/60Hz
Temperature	0°C ~ +50°C (Operation) / -40°C ~ +70°C (Storage)
Humidity	0% ~ 90% (Operation) / 0% ~ 95% (Storage)
BOARD TYPE	
Signal Input	HDMI x4 / HDMI x8 Per Slot
Signal Output	HDMI x4 / HDMI x8 Per Slot
Input Resolution	XGA:1024x768@60HZ / 720P:1280x720@50HZ / 720P:1280x720@60HZ / SXGA:1280x1024@60HZ / WXGA:1440x900@60HZ / UXGA:1600x1200@60HZ / 1080P:1920x1080@50HZ / 1080P:1920x1080@60HZ /
SCREEN CONTROL	
Number of Windows	Each output can open 8 windows on average. The window opening resources of all output can be shared. Up to 32 windows are allowed for each output.
Roam and Overlay	The windows can roam at any position on the video wall. Supports window overlay. Supports picture-in-picture mode.
One-click Layout	Create a video wall with an M x N lor fixed layout.
Multiple Video Walls	Create & manage 4 video walls w/ different configurations.
Scene Management	Up to 64 scenes can be saved
ADVANCED	
Signal Delay	< 100ms
Output Sync	Fully synchronized
Power Failure Protection	The current running services and layout will be retained and restored after restart.
Seamless Switching	Support

Capture Card

GENERAL	
Number of Port	4-Port / 8-Port HDMI Per Slot
Input Resolution	XGA:1024x768@60HZ / 720P:1280x720@50HZ 720P:1280x720@60HZ / SXGA:1280x1024@60HZ WXGA+:1440x900@60HZ / UXGA:1600x1200@60HZ 1080P:1920x1080@50HZ / 1080P:1920x1080@60HZ WUXGA:1920x1200@60HZ
Customized Resolution	Maximum width 2048/ Maximum height 4032
Consumption	< 6W (4-Port) / < 15W (8-Port)



4 HDMI Inputs



8 HDMI Inputs

Decoder Card

GENERAL	
Number of Port	4-Port / 8-Port HDMI Per Slot
Input Resolution	XGA:1024x768@60HZ / 720P:1280x720@50HZ 720P:1280x720@60HZ / SXGA:1280x1024@60HZ WXGA+:1440x900@60HZ / UXGA:1600x1200@60HZ 1080P:1920x1080@50HZ / 1080P:1920x1080@60HZ WUXGA:1920x1200@60HZ
Customized Resolution	Maximum width 2048/ Maximum height 2048
Consumption	< 8W (4-Port) / < 15W (8-Port)



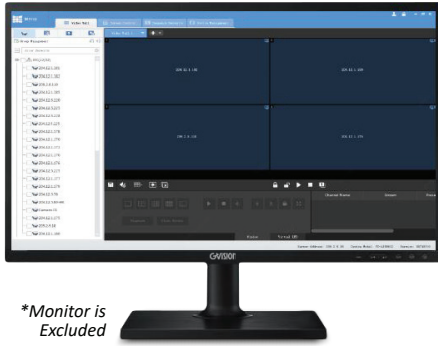
4 HDMI Outputs



8 HDMI Outputs

Note: Panel and specifications subject to change without notice.

// KEY FEATURES (EZWALL Software)



*Monitor is Excluded

- Supports other manufacturers' IPC and NVR.
- Live view, sequence display, play signal source, open windows by one click, split window, window roaming, virtual LED, scenes and scene plans.
- Supports small pixel pitch LED, turn on/off Uniview screens automatically at a set time, turn on or off manually or with a delay.
- ****Includes License Free Software**

// SPECIFICATIONS (EZWALL Software)

EZWall Client Software

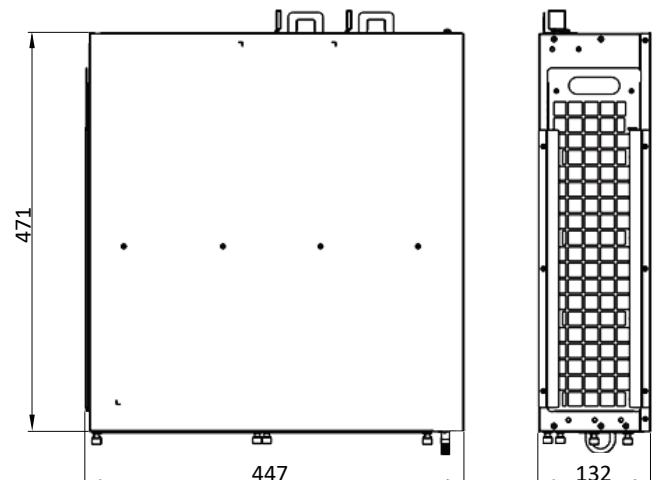
FUNCTION	
Device management	Add, edit, delete devices on LAN / automatic search / Open device's Web interface from the client / View device status, including status of NVR-connected IPCs / Supports Onvif
Video wall	Add, edit, delete video walls / supports small pixel pitch LED / Bind decoding CH automatically / bind decoding CH by one-click / splice screens, custom screen layout / Scene, scene plan (execute by set time interval or 24-hr schedule) / One click (1/3/4/5/6/7/8/9/10/13/16/17/25/32/36/64 and MxN / custom layout), right mouse button, or coordinates Window roaming and overlay / double-click window to view in full screen mode / renumber windows / window lock,unlock / display on top&bottom, and view window,split window info / Start videos in batches on one or multiple screens / Sequence display videos in one or multiple windows / Play PC's video signals through server's DVI or VGA interface to the video wall / Device group, including default group and custom group / Virtual LED: LED coordinates, custom LED content, font style, font size, font color, character spacing and alignment, background color and transparency, moving speed and mode; enable/disable virtual LEDs / Supports audio output and volume adjustment
Sequence Resource	Add, edit, and delete sequence resource
Screen Control	Turn on or off screen automatically at a set time / Turn on or off screen manually / Turn on or off screen with delay
Client Configuration	Automatic login to EZWall and Windows / Automatically display selected window on top / Play video with set or adaptive stream type
REQUIREMENTS	
OS	32-bit or 64-bit Microsoft Windows 7, 8, 10
CPU	Intel Core i5 2.3GHz or higher
RAM	4GB or higher

// ORDERING INFO

Model Number	
VW-CG-4HU4AE0	4 HDMI input x 4 HDMI output
VW-CG-8HU8AE0	8 HDMI input x 8 HDMI output
VW-CG-12HU12AE0	12 HDMI input x 12 HDMI output
VW-CG-16HU16AE0	16 HDMI input x 16 HDMI output
VW-CG-20HU20AE0	20 HDMI input x 20 HDMI output

// DIMENSIONS

Unit: mm



Note: Panel and specifications subject to change without notice.