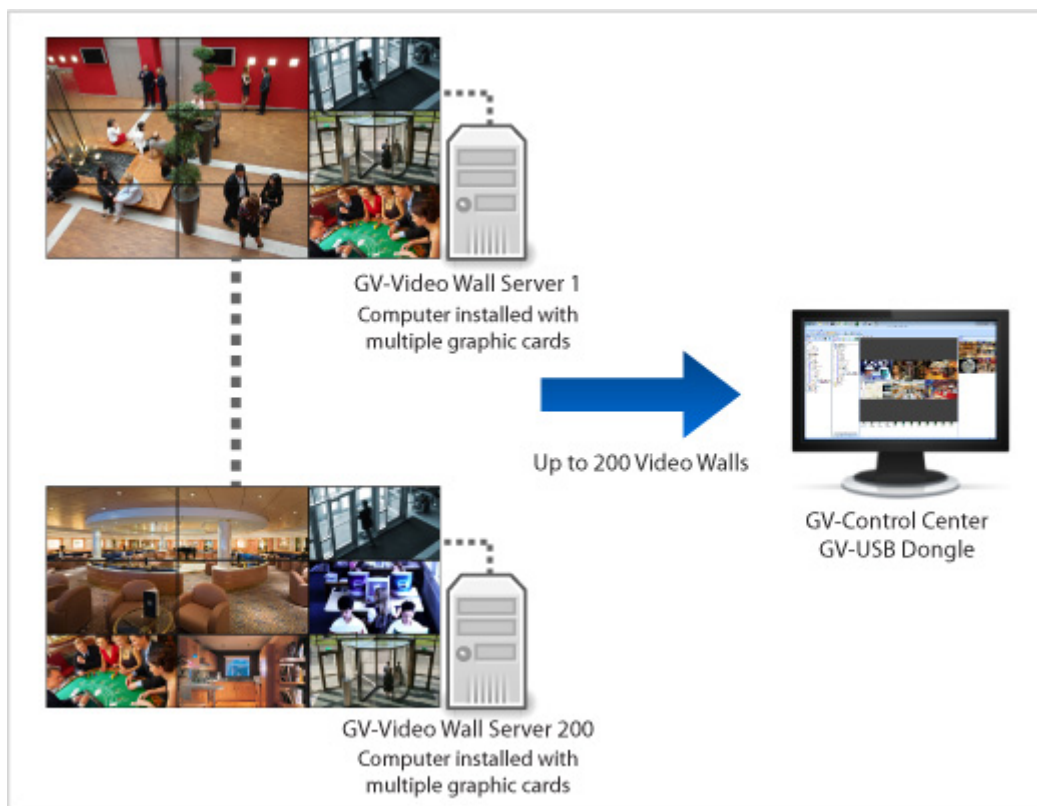


GV-Video Wall



INTRODUCTION

With GV-Control Center, you can remotely configure and manage up to 200 Video Walls, each with a different layout. A video wall is an establishment of multiple monitors on a server, which is a PC installed with multiple graphic cards. Depending on the incoming IP sources, you can display actual-size images on the Video Wall.



Features

On each Video Wall, you can:

- display up to 288 IP channels
- display actual size IP images
- freely adjust the size and position of each channel, whether it be within or across monitors
- display up to 16 zoomed channels with Zoom Window
- display up to 16 Scan Window, each is capable of displaying up to 32 channels in turn, at customizable time interval
- display up to 16 web pages with Web Window
- play back up to 16 videos with Media Window
- play back up to 16 videos with Remote ViewLog Window
- display up to 288 channels of customized view region of remote monitors
- display live views enabled from Remote E-Map

Standard Requirements

OS Supported	32-bit	Windows 7 / 8 / Server 2008
	64-bit	Windows 7 / 8 / Server 2008 R2 / Server 2012
CPU	Core 2 Duo E6400, 2.13 GHz	
Memory	2 x 2 GB	
Hard Disk	1 GB	
Graphic Card	AGP or PCI-Express, 1024 x 768, 32-bit color	
DirectX	9.0c	
LAN Card	Gigabit Ethernet x 1	
Hardware	Internal or External GV-USB Dongle with Video Wall function inserted to GV-Control Center	

Note: If you are using more than two graphic cards on a server, make sure they are of the same brand, model and driver version to ensure maximum efficiency.

Advanced Requirements

OS Supported	64-bit	Windows 7 / 8 / Server 2008 R2 / Server 2012
CPU	Core i7 2600K, 3.4 GHz	
Memory	3 x 2 GB	
Hard Disk	1 GB	
Graphic Card	AGP or PCI-Express, 1024 x 768, 32-bit color	
DirectX	9.0c	
LAN Card	Gigabit Ethernet x 2	
Hardware	Internal or External GV-USB Dongle with Video Wall function inserted to GV-Control Center	

Note: If you are using more than two graphic cards on a server, make sure they are of the same brand, model and driver version to ensure maximum efficiency.

Software License

Free License	N/A
Maximum License	200 Video Wall servers (Each server can display up to 288 channels)
Increment for Each License	1 Video Wall server
Optional Combinations	1. Control Center + Video Wall (1 to 200 license) 2. Control Center + VSM + Video Wall (1 to 200 license)
Dongle Type	Internal or external

Note:

1. Make sure you insert a GV-USB dongle with Video Wall function to Control Center server.
2. It is recommended to use the internal GV-USB Dongle to have the Hardware Watchdog function which restarts the PC when Windows crashes or freezes.

Recommended Requirements

1. To achieve any of the following conditions, make sure you meet the **Advanced Version** requirements.

Host Type	Resolution	Video Compression	No. of Channels
DVR	D1	H264	49 or more
	CIF	H264	71 or more
IP Camera	CIF	H264	17 or more
	VGA	H264	8 or more
	1 M	H264	3 or more
	2 M	H264	2 or more
	3 M	H264	2 or more
	4 M	H264	2 or more
	5 M	H264	3 or more

Note: These data may vary in different scenes (different data bitrates).

2. If the videos are recorded in MJPEG under LAN, **double Gigabit Ethernet** is highly recommended.

Supported DVR Version

The Control Center is compatible with GV-System / GV-NVR V8.5 or later.

Specifications

Each GV-Control Center can support up to **200** Video Walls with the appropriate dongle. For each Video Wall, you can install and display:

Features	Video Wall
Max. No. of Monitors	Unlimited. *The maximum number of monitors allowed depends solely on the graphic cards installed to the Video Wall server.
Max. No. of Channels	288
Scan Window / Channels	16 / 32
Zoom Window	16
Web Window	16
Media Window	16
Remote ViewLog Window	16
Remote Monitor	288 *On each Video Wall you can display a customized view region of a remote monitor.
Live view from Remote E-Map	1
Language	Arabic, Bulgarian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hungarian, Indonesian, Italian, Japanese, Lithuanian, Norwegian, Persian, Polish, Portuguese, Romanian, Russian, Serbian, Simplified Chinese, Slovakian, Slovenian, Spanish, Swedish, Thai, Traditional Chinese, Turkish

Note: The total number of camera channels and Remote Monitors displayed on the Video Wall cannot exceed 288.

Note: Specifications are subject to change without notice.

Application

With the appropriate dongles, the Control Center allows you to display application windows such as Remote eMap, GIS, VSM, Remote Desktop and Remote ViewLog on the defined monitors, along with the Video Wall. This establishment is illustrated below.

