



## Video Controller / Splitter Video Wall

Display a single video input on an array of monitors  
Models available in a 2x2, 3x3, and 1x4 (Horizontal)  
High Definition video output up to 1920 x 1200  
Supports video input resolutions up to 3840 x 2400  
Expandable to produce a 4 x 4 array or a 9 x 9 array  
Display mode automatically selected depending on  
input resolution

## Features and Benefits

- Supports Dual link DVI video input
- Single-link DVI video outputs
- Models:
  - 2x2 - 1 dual-link DVI input / 4 single-link DVI outputs
  - 3x3 - 1 dual-link input / 9 single-link DVI outputs
  - 1x4 – 1 dual-link DVI input / 4 single-link DVI outputs (monitors orientated horizontally)
- Supports video input resolutions up to 3840 x 2400
- Output resolutions up to 1920 x 1200
- Depending on input resolution, the display mode is automatically set for:
  - Clone mode (Same image on all monitors)
  - Split mode (Same image on each row)
  - Video wall mode (Image split over all displays)
- Easy adjustments for bezel compensation
- Expand a 2x2 model easily to a 4x4 display, a 3x3 model to a 6x6 or a 9x9 display array.
- Configure the 1x4 model with 4 monitors arranged horizontally
- Adjustments and control can be performed using a remote control or commands from a connected computer using the OSD functions
- Compatible with most monitor that supports DVI input. Displays can be LCD, HD Plasma, DLP, Projectors, or others.

## The UltraVista LC Advantage . . .

The UltraVista LC is the product of choice for those who have the need to produce a high quality, inexpensive video wall. Models are available for a 1x4, 2x2, or 3x3 video wall. The 2x2 and 3x3 models can be expanded to produce a 4x4 or a 9x9 video array.

Connect the UltraVista LC directly to a laptop or desktop computer with a single DVI cable and instantly the high definition computer image is displayed on a large video wall. No extra set-up is required because the UltraVista LC automatically detects the correct settings.

UltraVista LC requires a high resolution dual link DVI input from the video source. The video source is split directly over the display array with no image scaling or adjustments. Control of the UltraVista LC can be performed remotely using the remote control or from a connected computer with an RS232 serial port.

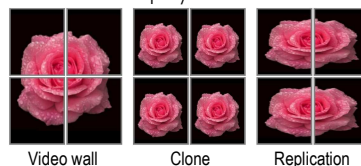
The UltraVista LC can be automatically configured to produce three output modes; video wall mode, clone mode, and replication mode. These modes are automatically configured based on the input resolution received from the video source.

The video wall mode accurately splits the input image over the display array.

The clone mode displays the same image on all monitors.

The replication mode shows the same image on each row of monitors.

Display Modes

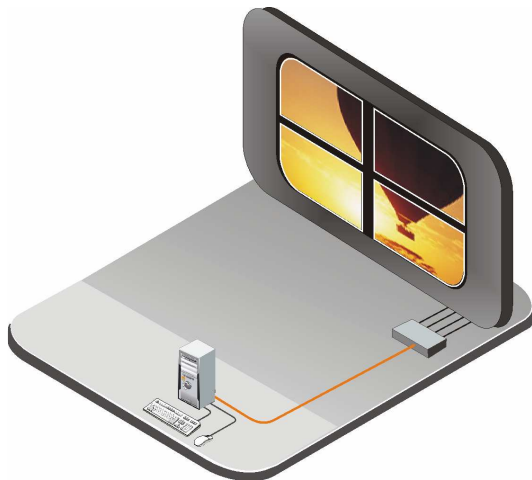


Video wall

Clone

Replication

## Typical Application



- Models:** The UltraVista LC is available in 3 models:
- The 2 x 2 - Displays a single DVI video source on a 2x2 video wall (expandable to a 4x4 video wall)
  - The 3 x 3 - Displays a single DVI video source on a 3x3 video wall (expandable to a 9x9 video wall)
  - The 1 x 4 - Displays a single DVI video source on a 1x4 video wall (4 horizontal DVI displays)

**Cables:** A dual-link DVI-D cable is used to connect the graphic card output to the UltraVista LC DVI input. The DVI monitors used can connect directly to the DVI output connectors. If a greater distance is needed between the UltraVista LC and the monitors or from the computer video source to the UltraVista LC, Rose Electronics' DVI extender line can extend the distance to 450 feet over CATx cabling or up to 33,000 feet over fiber cable.

**Installation:** Installing the UltraVista LC is a very quick and easy process. Connect the DVI video displays, the high definition video source, RS232 cable, and the power adapter to the unit, Power on the monitors, the UltraVista LC unit, and controlling computer. Adjust the output screen resolution, and the bezel settings and you're done.

**Operation:** Operating the UltraVista LC is almost automatic. Provide the high-resolution image to display on the video wall and the unit does the rest. In an expanded system, only the master unit needs to be set-up. UltraVista LC will adjust the remote unit for a smooth image transition between displays.

## Specifications

P/N	Description
VWL-B114D	1x4 video wall (Horizontal)
VWL-B122D	2x2 video wall
VWL-B133D	3x3 video wall

### Dimensions:

	Width (in / mm)	Depth (in / mm)	Height (in / mm)	Weight (lbs / kg)
2x2	9.1/230	7.0/178	1.85/47	
3x3	11.6/295	7.4/188	1.85/47	
1x4	9.1/230	7.0/178	1.85/47	

### Video:

Dual link	DVI-D
Resolution	Input – up to 3840 x 2400 Output – up to 1920 x 1200

### Connectors:

DVI in	Dual-link DVI-D female
DVI out	Single-link DVI-D
Power	Male barrel jack

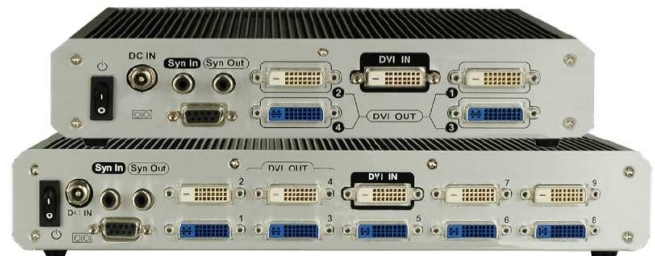
**Controls:** Front Panel push buttons

**Power:** Adapter – 90-264 VAC in / +12V out  
(2x2 – 10W / 3x3-17W)

**Operating Temp.** 32°F - 104°F (0°C - 40°C)

**Approvals:** CCC, CE, FCC

Rear Panel



Top – VWL-B122D (2x2)  
Bottom – VWL-B133d (3x3)

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DS-UVLC 1.1

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## Resolution / Mode selection tables

1 x 4 model resolution table

Mode	Input Resolution	Output Resolution
1 x 3	2544x480	848x480
	2400x600	800x600
	2880x600	960x600
	3072x768	1024x768
1 x 4	3392x480	848x480
	3200x600	800x600
	3840x600	960x600
	4092x768	1024x768

2 x 2 model resolution table

Mode	Input Resolution	Output Resolution
1 x 1	1024x768	1024x768
2 x 1	2560x1024	1280x1024
	3840x1080	1920x1080
	3840x1200	1920x1200
2 x 2	2048x1536	1024x768
	2560x2048	1280x1024
	2560x1440	1280x720
	2560x1600	1280x800
	2720x1536	1360x768
	3840x2880	1920x1440
	3840x2160	1920x1080
	3840x2400	1920x1200
	2560x1920	1280x960
	1280x960	640x480
	3392x1920	1696x960
	1696x960	848x480

3 x 3 model resolution table

Mode	Input Resolution	Output Resolution
2 x 3	2048x2304	1024x768
	2560x2400	1280x800
	2560x3072	1280x1024
	2720x2304	1360x768
3 x 2	3072x1536	1024x768
	3840x1600	1280x800
	3840x2048	1280x1024
	4080x1536	1360x768
3 x 3	3072x2304	1024x768
	3840x2160	1280x720
	3840x2400	1280x800
	3840x3072	1280x1024
	4080x2304	1360x768
	1920x1440	640x480
	3840x2880	1280x960