



VideoPlex4 Video Wall Controller

Fully tested
to work with
the iCOMPEL™
platform!

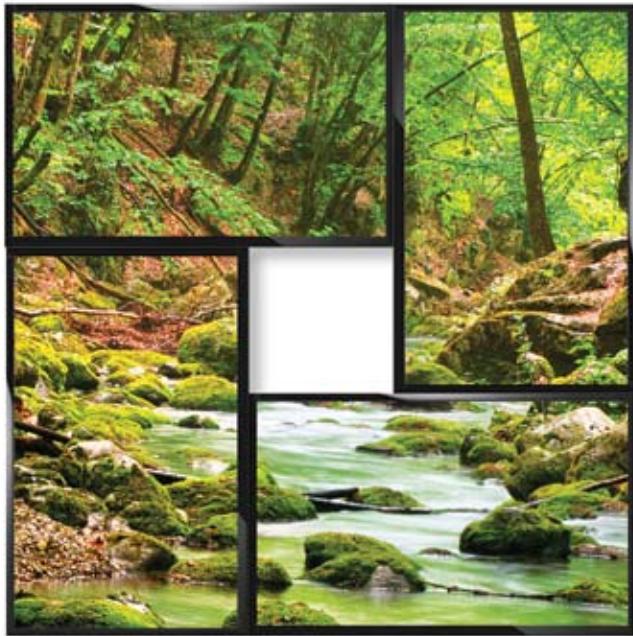
**The simple way to create
stunning and unique
video walls.**



Applications include:

- » Stores and restaurants
- » Corporate lobbies
- » Entertainment venues
- » Expos and trade shows
- » Airports and transit stations
- » Banking and financial centers
- » Museums and exhibits

VideoPlex4: Next-generation control *plus* the flexibility to create individually shaped video wall designs!



- » Control up to four displays in a wall configuration.
- » Daisychain multiple units to create walls with more than four displays.
- » Displays video sources on a video wall, freely scaled and positioned, including rotations of 90°, 180°, and 270°.
- » No restrictions on arrangement of screens in a wall or on combination of screen sizes.
- » Input resolutions up to 4K (3840 x 2160).
- » Outputs video digitally 100% in real time—great for displaying live camera feeds or animated content.
- » Gap compensation for images scaled across screens.
- » Configure using software loaded on a PC connected via a USB link.
- » Durable, stainless steel chassis.
- » 2U rackmountable (mounting kit included).
- » Windows® XP, Windows Vista®, Windows 7 compatible.
- » Low power consumption.

Control and scale video across four video displays of any size and resolution with the VideoPlex4 Video Wall Controller from Black Box. It's just what you need to create visually eye-catching video walls to advertise, promote, and educate your audience while projecting your message and content on a larger scale.

The VideoPlex4 is a standalone display wall controller that accepts a standard single- or dual-link DVI input and flexibly displays it on up to four output monitors. The appliance can input 4K resolution images and output them via DVI or analog RGB. You can reproduce the entire image on each screen or show cropped regions of the image on each screen.

Output resolution and frame rate do not need to be related to that of the input. The VideoPlex4 will optionally upscale and convert frame rates to each cropped region independently. Additionally, each output can be freely mirrored or rotated through 90°, 180°, or 270° to support creative mixes of landscape and portrait monitors.

Video is fed through the VideoPlex4 box live to all displays. Of the full input image, the controller simply crops the partial image for each display.

Flexible, expandable controller hardware.

The VideoPlex4 hardware features a DVI-D input port for connecting a digital video source. It can accept single- or dual-link signals.

On the outputs, the VideoPlex4 supports connections to four DVI-(VGA or DVI) displays, and all VESA resolutions are supported. Use it to display images on your HDTV screens.

As an appliance-based solution, the VideoPlex4 gives you the advantages of quick setup and great stability, even in 24/7 applications. You don't need to install any software on source equipment. Just plug in the source devices and begin configuring your matrix of screens using a client computer.

Modular in design, it can also be combined with other VideoPlex4 units to control and scale video on more than four screens.

A hardware/software solution for setting up dazzling, large-scale video signage.



VSC-VPLEX4: top: front view; bottom: rear view

Works with various manufacturers' equipment.

The VideoPlex4 hardware sits between the sources and the displays. On all outputs, the video wall controller works with various types of digital displays from different manufacturers as long as they support VESA standard resolutions.

On the VideoPlex4 inputs, any source can be connected, whether it's a DVD player, a computer, a live feed from a camera, an iCOMPETTM player or appliance, a media server, a video mixer, or a similar device.

Distortion-free display, no matter the amount of scaling.

The VideoPlex4 enlarges video across several screens in a way that compensates for gaps between displays so proportions are preserved. This way, you create a natural, distortion-free video wall viewing experience. Even when you move screens farther apart, gap compensation prevents unnatural jumps from one display to the next.

At high resolutions, like 4K, DVI signals normally can't be guaranteed beyond a cable length of 16 feet (5 m) because of signal losses inherent in the DVI cables and connectors. The VideoPlex4's active equalization hardware can compensate for these losses and support cable lengths of up to 64 feet (20 m) even at full dual-link resolutions (330 Mhz pixel clock). Lower resolutions enable even longer cable lengths.

VideoPlex4 Video Wall Controller Applications



When enlarging a video signal across several screens, gaps between displays are correctly compensated for, preventing jumps in the output image and providing a natural, distortion-free viewing experience on the video wall.

These are just a few examples of what can be achieved with VideoPlex4. Users are encouraged to experiment with different display configurations. For more examples, refer to the datasheet, which you can download at blackbox.com/VP4.

Why a VideoPlex4 Video Wall Controller?

The top reasons to choose this controller:

1. High input resolutions for superior video quality.

Supports video input up to 4K resolution to provide crystal clear video output on each of the displays.

2. Outputs LIVE video with clarity.

No latency. No blur. Just clear HDTV quality video, no matter if it's coming from a PC, a media server, or a camera feed.

3. Built to withstand heavy 24/7 use.

Not only does it boast low power consumption, but it offers a stable design for use in always-on signage applications—something to consider if you're not there to reboot equipment.

4. It's easy to control from a PC or laptop.

Setup can be done from software loaded on a PC connected via a USB.

Technical Specifications

Approvals	CE, RoHS
Connectors	(1) DVI-D female for input; (4) DVI-I female for output; (1) 3-pin power connector female; (1) USB-B female; (2) sync ports (unused)
Indicators	(1) Power LED, (1) Input LED, (1) Status LED
Leads Supported	DVI-D (Dual Link on input only)
Maximum Resolution Supported	Up to 2.5 Mpixels/s (2048p in either direction)
Operating Humidity	90% non-condensing
Operating Temperature	32° to 104°F (0° to 40°C)
Power	Input: 100–240 VAC, 0.8 Amps; Output: 5–8 VDC, 4 Amps; Consumption: 20–32 Watts
Dimensions	1.75"H x 9.25"W x 6.9"D (4.4 x 23.5 x 17.5 cm)

What's included:

- VideoPlex4 Standalone Video Wall Controller
- X4 Video Wall Splitter
- Power Cable
- USB A–B Connector Cable
- Software CD
- Quick-Start Guide

VideoPlex4 Video Wall Controller

VSC-VPLEX4

For unit pricing and other ordering information, call a digital signage expert at Black Box today.

800-355-8003 | blackbox.com/VP4

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