ServSwitch™ 4Site Flex

Access up to four CPUs on one monitor simultaneously.

- 4-to-1 KVM switching with smooth, real-time image processing: DVI, VGA, HDMI, HDCP support.
- Four display modes: Quad, Full Screen, Picture-in-Picture (PiP), and Windows.
- Image rotation for vertical mounted displays.
- Excellent video quality up to 1920 x 1200.
- Embedded digital audio.
- Transparent USB 2.0 peripheral matrix switching.
- Compatible with many touchscreens.
- Switching via hotkey, hotmouse, OSD, external program, or serial control device.
- Ensures short reaction times in mission-critical applications.

Overview

KVM and Peripheral Switching, plus Image Processing

The ServSwitch 4Site Flex simultaneously displays four analog or digital computers and video sources on a single screen in real time with smooth video performance at full refresh rates without frame dropping. Each input video can be resized and repositioned anywhere on the display. Computer sources can be controlled with just one keyboard and mouse or by touchscreen. Each of the input ports can be DVI-D or VGA. Keyboard and mouse interfaces can be PS/2 or USB. The console port can be set to output an analog VGA or digital DVI video signal. Console, keyboard, and mouse are USB only.

Excellent Video Performance

ServSwitch 4Site Flex processes analog (VGA) and digital video signals (DVI, HDMI by adapter) via DVI-I ports as both input and output. Various video modes, including HDTV up to 1920 x 1200, are supported in any combination as input and output. The integrated support for HDCP encryption enables the perfect display of movies and animated contents.

When scaling videos up and down, the highly sophisticated 6-symbol interpolation filter guarantees brilliant image quality and sharp text readability. The 30-bit RGB video engine ensures extremely precise color rendering as required in broadcasting.

Display Modes

Using **Windows Mode**, all video sources can be freely resized and independently repositioned anywhere on the display, just like windows. They can overlap each other transparently. Resizing and repositioning are done by mouse or touchscreen. Four customized Windows modes can be saved for quick activation, e.g., via front buttons 1–4.

In **Quad Mode**, the output video signal receives all four incoming video signals sharing the screen with four equal tiles (scaled). Each tile displays the entire screen content of a video source or computer. This mode will also work with two video signals (**Dual Mode**) instead of four.

Similar to Quad Mode, **Picture-in-Picture (PiP) Mode** combines more than one video signal for output on a single screen. Using the PiP Mode, a single main image displays in full output resolution, and up to three of the other video signals are displayed on the right side of the main picture. These images can be scaled to a specific, configurable size and position.
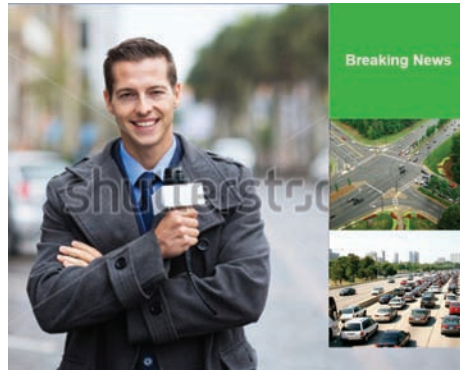
In **Full Screen**, a single source is displayed at full resolution and the entire content is fully visible. For vertically mounted displays, each image can be rotated.

No matter which of the multiviewing modes is activated, you still have full keyboard and mouse control of the selected server. Intuitive hotkey or hotmouse switching between the screen tiles swaps the main screen and gives you full keyboard and mouse control to the new target computer. A simple hotkey takes you back into non-scaled, full-screen operation in case of an emergency on one of the selected servers.

ServSwitch™ 4Site Flex

Quad Mode

PiP Mode

Win Mode

Audio

ServSwitch 4Site Flex supports 7.1 Surround Sound via HDMI input. Audio signals are put out via HDMI, S/PDIF (TOSLINK® and RCA), or 2-channel analog stereo jack. The analog output is galvanically isolated to eliminate noise and humming induced by ground loops. The volume can be controlled via the on-screen display (OSD) or with the audio keys on multimedia keyboards.

Video Switching

There are six different ways to switch video channels and display modes:

1. Front panel buttons.
2. Configurable keyboard short cuts (hotkeys).
3. Mouse functions (hotmouse).
4. External configuration program of the unit on a remote computer.
5. Via a serial port using the protocol DCP XML.
6. USB touchscreen.

Applications

The ServSwitch 4Site Flex can be used in a variety of applications:

- Programmers working from a single screen, and still controlling other processes at other workstations.
- A network operations center (NOC) or other control room application, multiple sources can be monitored and operated from a single screen.
- In a large-scale multiuser KVM switching system, the ServSwitch 4Site Flex can extend the signals over a single CATx or fiber cable.
- KVM-over-IP extension: up to four signals can be routed or extended to a remote viewer for greater control over a LAN.

Technical Specifications

Approvals	CE, RoHS
Connectors	CPU: (4) DVI-I (analog and digital), (4) 6-pin mini DIN F, (4) USB Type B, HDMI via adapter; USB devices: (4) USB Type A; Audio: Input: HDMI via 4 DVI-I ports, Output: (1) S/PDIF optical and electrical, (1) 3.5-mm analog stereo jack, or via HDMI at (1) DVI-I port (7.1 Surround Sound supported); Switch upgrade: (1) USB, (1) RJ-45 serial RS-232 (for updates or remote control); Power: (1) IEC320
Control Options	Front-panel buttons, configurable keyboard shortcuts, mouse, external device configuration program, serial control via DCP-XML, touchscreen
Distance (Maximum)	16.4 ft. (5 m) to keyboard/mouse/video; 16.4 ft. (5 m) to each computer
Environmental	Humidity: 5 to 85% non-condensing; Operating temperature: -49 to +41° F (-45 to +5° C)
Indicators	(4) LEDs: Status Video source 1 to 4, (1) Full mode, (1) Quad mode, (1) PiP-Mode, (1) Win Mode
On-Screen Menu	Yes (English, German, Spanish)
Power	Internal, 100 to 240 VAC, 50 to 60 Hz, max. 25W
Resolution	Input and Output: Up to 1920 x 1200 @ 60 Hz (DVI and VGA), HDTV modes supported, progressive (non-interlaced) with reduced blanking interval; Color depth: 30 bit, 6-symbol interpolation filter, EDID adjustment
Selector Buttons	(4) Channel Switching, (1) Quad Mode, (1) Full Mode, (1) PiP Mode, (1) Win Mode, (1) Reset; keyboard combinations (hotkeys) to configure resolution or to open On-Screen Menu
Size	1.75"H x 17"W x 9.2"D (4.4 x 43.6 x 23.4 cm)
Weight	6.4 lb. (2.9 kg)

ServSwitch 4Site Flex

ServSwitch 4Site Flex	KVP4004A

For full features and specs, go to **blackbox.com**.
For pricing details, call **724-746-5500**.