



- **More than a Multi-Viewer**
- **More than an Up Converter**
- **More than a Scaler**
- **More than a Seamless Switcher**

## **4-CAST is a High Quality Video/Image Processing System for presentation, conferencing, entertainment, staging,...**

The **4-Cast** and the **4-Cast-8x2** are new members of Avitech's series of Presentation modules. They display up to four image sources of any size and at any position with remarkable clarity and sharpness simultaneously on a single display device. Two of the four sources can be RGB or DVI signals from computers. The other two sources can be from composite, YC, or component video.

Computer inputs on RGB can range from 640x480 to 1600x1200 resolutions. DVI inputs automatically detect incoming digital computer sources from 640x480 to 1280x1024. Outputs are RGB and DVI. The output resolution scales from 852x480 up to 1600x1200 at either 4:3 or 16:9 aspect ratios.

Both modules can be controlled via RS-232 or Ethernet communication. The **4-Cast** is ideal for both single screen and multiple screen applications. In a multiple screen application, several **4-Cast** modules can be controlled from a single point control using an IP or RS-232 port and cascading the control signals to the next module via RS-485, the second serial port.

### **Display up to four image sources of any size and at any position simultaneously on a single display device.**

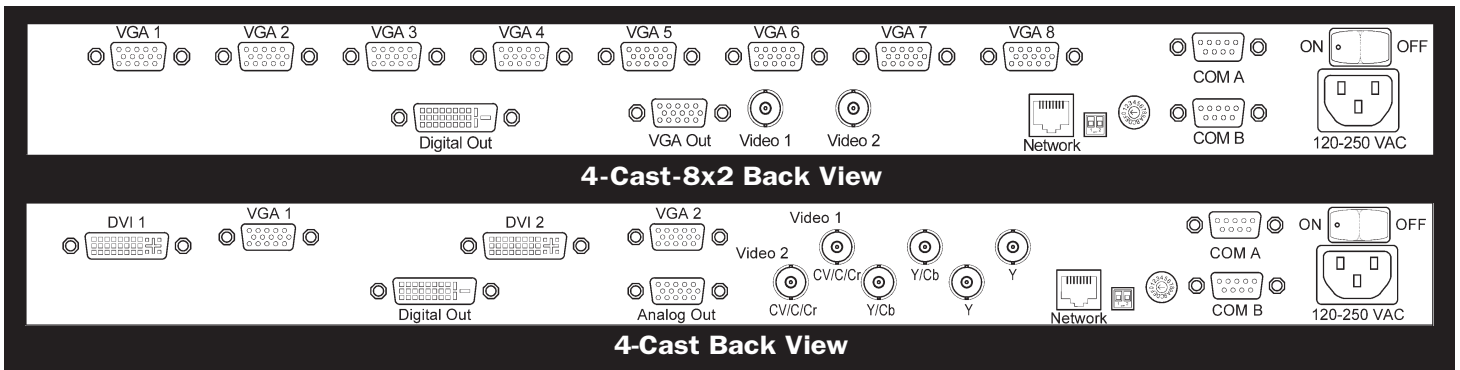
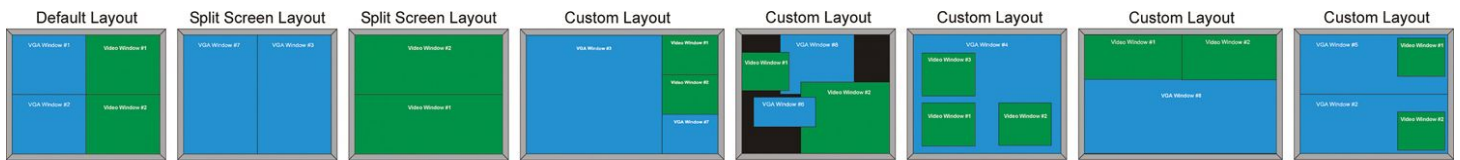
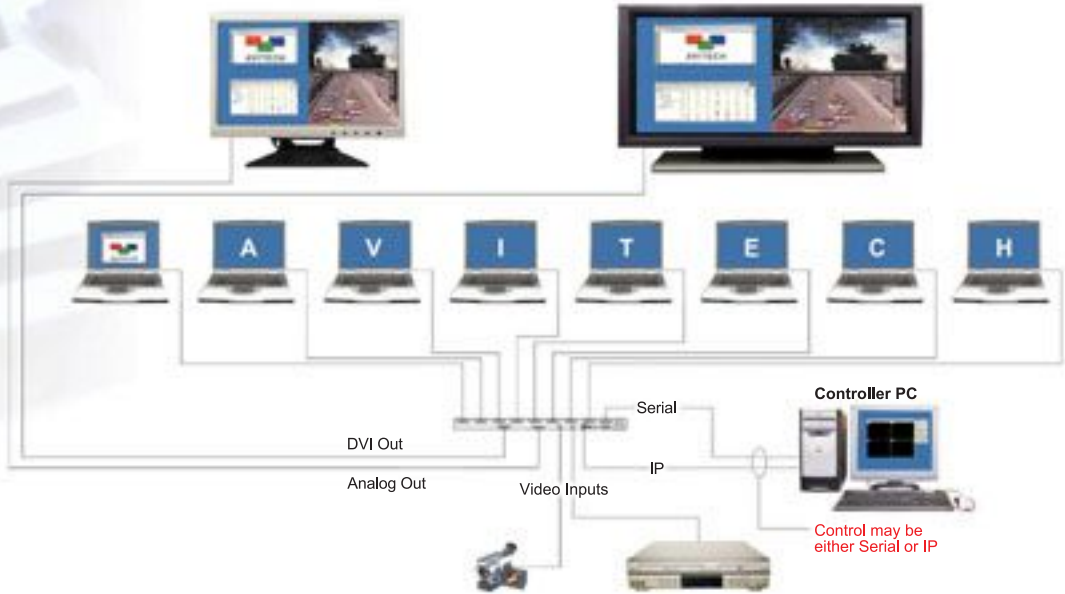
The **4-Cast** module has internal memory for storage of custom built presets. It will always display the last screen layout when it is turned on. Therefore, it does not need a control PC in a routine display application.

**4-Cast** modules feature fading transition between the two computer or video images. Any portion of the images can be cropped and panned. There are virtually limitless window size and placement combinations.



The **4-Cast-8x2** has an embedded 8x2 RGBHV matrix switcher, which allows for selection of any 2 of the 8 computer inputs to be displayed with two video sources.

A Windows based control program provided along with the **4-Cast** provides functional operation of the module. A PC with an available Ethernet or RS-232 serial port running Windows98SE® or higher is all that's required. API and example function calls are available for third party system integration.



**4-Cast -8x2 Specifications** (subject to change without notice)

Input	Analog RGB	Eight DB-15 female inputs; RGBHV, RGBS, RGsB	640x480 to 1600x1200 (VGA 1 to 8)
	Video (SD)	Two BNC	Composite Video (Video 1 & 2)

**4-Cast Specifications** (subject to change without notice)

Input	Analog RGB	Two DB-15 female inputs; RGBHV, RGBS, RGsB	640x480 to 1600x1200 (VGA 1 & 2)
	Digital	Two DVI female inputs	640x480 to 1280x1024 (DVI 1 & 2)
	Video (SD)	Three BNC	Composite video, S-video (Y,C), and Component (Y, Cb, Cr)

**Common Specifications** (subject to change without notice)

Comm.	Ethernet (100/10 Base)	One RJ-45	Supports TCP/IP, DHCP
	Serial Ports	Two DB-9	COM A: RS-232 or 422 or 485 Software Selectable COM B: RS-485

Output	Analog RGBHV	One DB-15 female	852x480 (16:9) to 1600x1200 (Analog Out)
	Digital Visual Interface	One DVI female	852x480 (16:9) to 1600x1200 (Digital Out)

Environment		<b>Operating</b>	<b>Storage</b>
	Temperature Range	41 - 122° F, non-condensing	14 - 140° F, non-condensing
	Humidity Range	20 - 80%, non-condensing	10 - 90%, non-condensing
	Altitude Range	0 - 10,000 ft.	0 - 20,000 ft.

- Power: 120-250VAC 50/60Hz <25W
- Weight: 7lbs
- Size: 16.75"w X 10"d X 1.75"h (1RU)



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