

Pointmaker® PVI-70/80 Series Multiple-Sync Video Markers

DESCRIPTION

Make your point. Make it clear. Make it powerful.



Video marking in a courtroom. Photo by Tim Fuller

Use the **Pointmaker PVI-70™** or **PVI-80™** series multiple-sync video marker in your next presentation to **draw** or **point** on video images as easily as you would wave a wand. Label or frame images. Connected between a video source and monitor, the *Pointmaker* can be used to enhance a video presentation by helping you **drive home your point** or otherwise draw attention to important details of an image.

APPLICATIONS

Draw on the video image generated by a document camera, VCR, laser disc player, video camera, slide to video converter, computer or other source in order to:

- **Mark financial statements.**
- **Enhance presentations in corporate boardrooms.**
- **Impress prospects during sales presentations.**
- **Emphasize details in charts, graphs and other data.**
- **Simplify complex courtroom exhibits for the jury.**
- **Mark broadcast images used in sports, weather and traffic reports.**
- **Direct attention during distance learning sessions or videoconferences.**

FEATURES

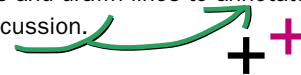
DRAW with the *Pointmaker* to circle important features of a video image. Underscore for emphasis, or *write* important data on the image.

POINT by positioning a single arrow or other pointer such as cross hairs and dots anywhere over the video image, or by placing several arrows or other pointers alongside each point as the point is discussed.

Take Note

TYPE notes, outlines or labels directly on your image using a keyboard (available with the **PVI-80** series only).

COMBINE pointers and drawn lines to annotate an image during a detailed discussion.



CHANGE THE COLOR of the pointers, drawing lines and type for optimum contrast with the video image. Each marker can appear in one of seven different colors.

A SOLID BACKGROUND can replace the video input to create an "electronic chalkboard."

ERASE lines and pointers all at once or one at a time beginning with the most recently placed pointer, drawn line or typed text. With the **PVI-71™** or **PVI-81™** videoconference marker, each user can clear his/her own markers. Neither can erase the other's markers unless communications cease.

EASY CONTROL. Draw and point directly on the monitor with a **light pen**. Or choose to draw and point with a **digitizing tablet**. The *Pointmaker* may also be operated with a **touch screen***, or a **computer** (via RS-232). The **PVI-80** series models come standard with a **keyboard** for typing on an image. And ask about the COMM option that allows up to **10 digitizing tablets or touch-screens** to be used with one *Pointmaker*.



COMPATIBLE with monochrome EIA RS-170, composite NTSC or PAL, Y/C (S-Video), RGB, VGA (PC) and most Macintosh sources and displays. In addition, the **PVI-72/82** or **PVI-73/83** SVGA multiple-sync video markers are compatible with most SVGA sources and displays.

* Call for compatibility with touch screens.

W H I C H M O D E L

Because there are many popular video standards, the **PVI-70** series and **PVI-80** series are designed to be compatible with many resolutions. These **MULTIPLE-SYNC VIDEO MARKERS** handle NTSC or PAL composite, Y/C, RGB at 37.90 kHz and VGA and MAC up to 31.5 and 35.5 kHz respectively.

For **HIGHER RESOLUTION** projection systems and other applications requiring SVGA scan rates up to 71.7 kHz and up to 1280 x 1024 resolution, the **PVI-72** or **PVI-82** SVGA multiple-sync video marker is the best model.

The **PVI-71** and **PVI-81 VIDEOCONFERENCE** markers, as their names suggest, were designed for use in the videoconference environment. A videoconference marker is connected between the codec and video monitor. When two videoconference units are linked, for example, both ends can write over the shared image.

If only one end of the videoconference requires the capability to mark the image, the **PVI-70/80** or **PVI-72/82** can also be used. On the other hand, the **PVI-71/81** can also be used as a visual aid for presentations outside of a videoconference. The **PVI-73** and **PVI-83** models combine both



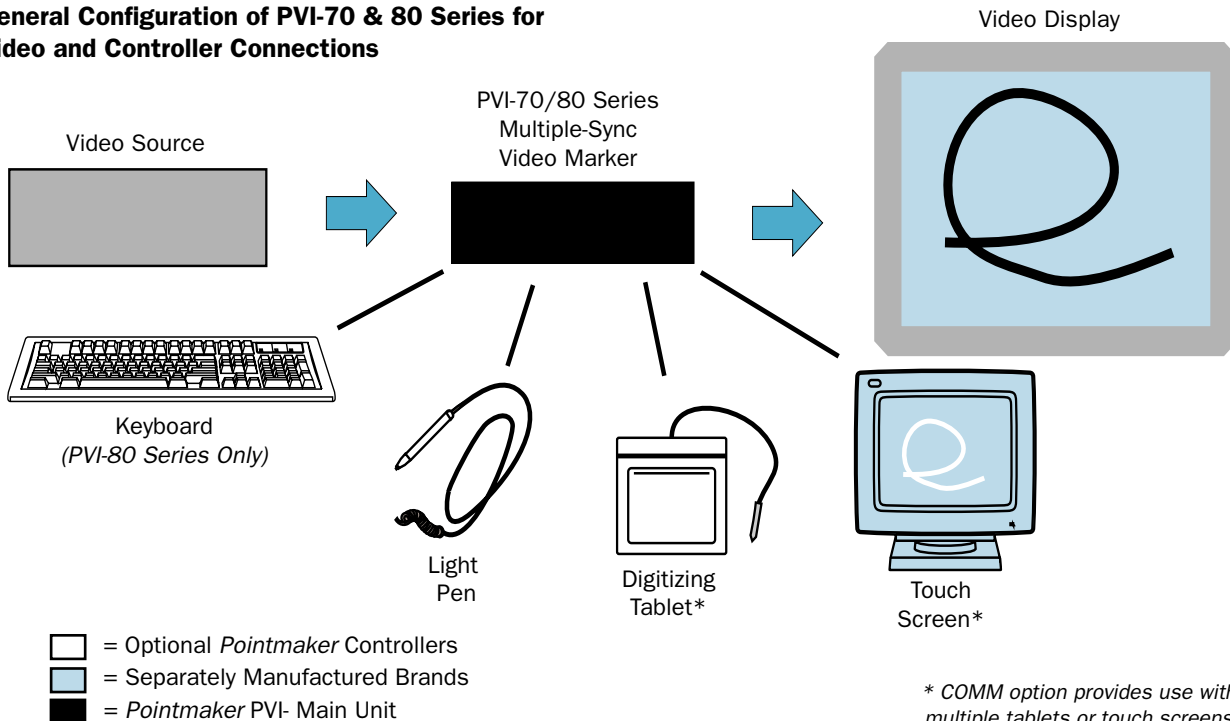
The PVI-80 shown with standard keyboard, and optional light pen and digitizing tablet.

videoconferencing and SVGA capabilities.

For CCIR and PAL export models. Add the letter "C" to the model number for compatibility with CCIR and PAL video standards rather than NTSC.

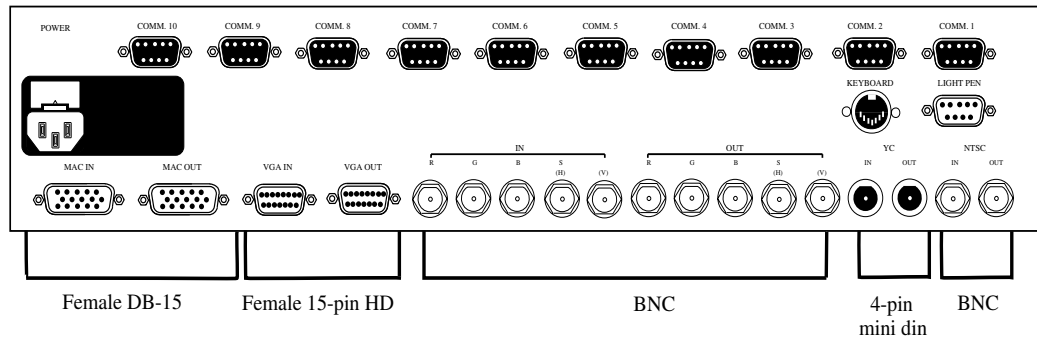
T Y P I C A L C O N F I G U R A T I O N S

General Configuration of PVI-70 & 80 Series for Video and Controller Connections



Back Panel for Pointmaker PVI-70 and PVI-80 series models

COMM ports 1 and 2 are standard
COMM-4 option adds COMM ports 3-6
COMM-8 option adds ports 3-10



S P E C I F I C A T I O N S

VIDEO INPUT/OUTPUT

NTSC (BNC x 1)	Composite Video, 1.0Vp-p, 75 ohms, sync negative; 15.734 kHz (NTSC).		
PAL (BNC x 1)	Composite Video, 1.0Vp-p, 75 ohms, sync negative, 15.625 kHz (PAL).		
RGB (BNC x 3)	0.7Vp-p, 75 ohms; NTSC (15.734 kHz), VGA (31.5 kHz) or Macintosh (35.5 kHz). SVGA (not to exceed 71.7 kHz and up to 1280 x 1024 resolution) for PVI-72 and PVI-82.		
Sync (BNC x 1)	Composite sync; horizontal: 0.2 to 4.0Vp-p, 2200 ohms (NTSC); vertical: TTL level.		
or (BNC x 2)	Separate horizontal and vertical sync; horizontal: 0.2 to 4.0Vp-p, 2200 ohms; (NTSC, VGA, SVGA or Macintosh); vertical: TTL level.		
Y/C (4-pin mini-din)	Y: 1.0Vp-p, 75 ohms; C: 0.286Vp-p (burst), 75 ohms; 15.734 kHz (NTSC).		
VGA (15-pin HD)	Video signal: RGB 0.7Vp-p analog; 35.5 kHz; Separate horizontal and vertical sync signal (TTL level positive/negative).		
SVGA (15-pin HD)	Video signal: RGB 0.7Vp-p analog; not to exceed 71.7 kHz and up to 1280 x 1024 resolution; Separate horizontal and vertical sync signal (TTL level positive/negative). SVGA features apply to PVI-72/73 and PVI-82/83 models only.		
MAC (DB-15)	Macintosh color video: RGB 0.7Vp-p; Separate horizontal and vertical sync signal (TTL level negative); 35.5 kHz (PVI-72 and PVI-82 up to 48 KHz).		
BANDWIDTH	Video signal: 80 MHz.	DIMENSIONS	17.0" (W) x 3.75" (H) x 14.0" (D); 43.2 cm x 9.5 cm x 35.6 cm
POWER SOURCE	100-120/200-240 VAC (50/60 Hz)	OPERATING TEMP.	34° F to 131° F (0° C to 55° C).
CURRENT	.5 AMP/.25 AMP	APPROX. WEIGHT	9 lbs. (4.05 Kg)
POWER CONSUMPTION	50/60 watts	WARRANTY	One (1) year parts and labor.



... "add a little zap to your presentation."™



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