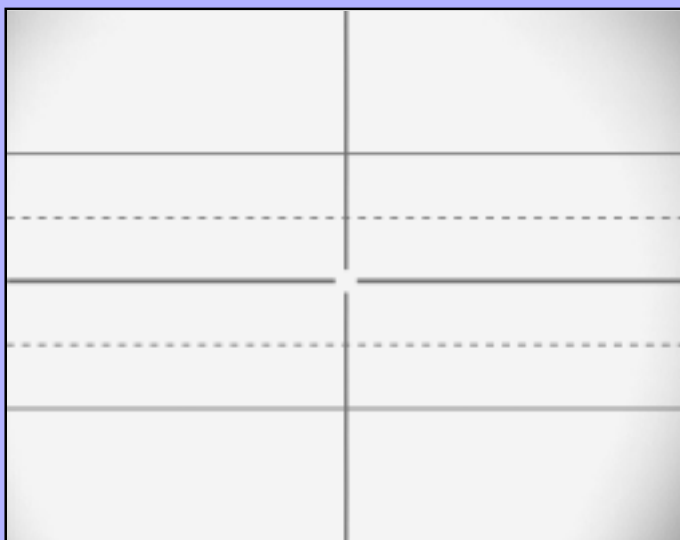


# VIA<sup>®</sup>-30J

## Video Crossline Generator



*An overlay on the VIA-30J showing a combination of line patterns and intersections.*

### Ideal Tool to Generate Reference Lines:

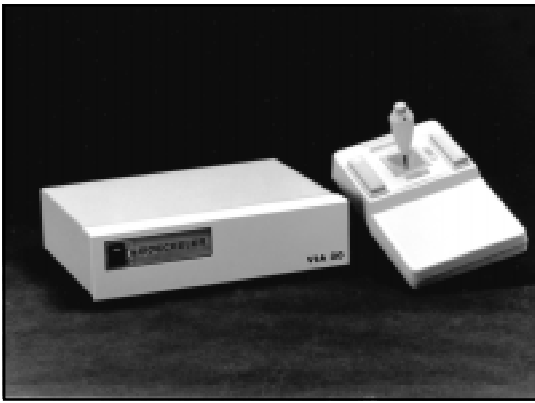
- ✓ For Dimensional Measurements
- ✓ To Align or Center Objects
- ✓ For Dimensional Comparisons

## FEATURES

- Three types of positionable lines--vertical lines, horizontal lines or crossed lines.
- Each line may be displayed in one of ten different line patterns--solid fine, medium or bold; dotted fine or bold; dashed fine, medium or bold; scaled fine or bold.
- The ability to position and anchor multiple lines on the overlay.
- An intersection option which allows users to select an intersection which is closed or open.
- A centering option which automatically places an intersection in the center of the screen or leaves positioning up to the operator.
- On-screen display of X and Y coordinates of positionable lines(s) for repeatability.
- A matte option which adjusts a line's gray level from white to black for optimal contrast with the video image, or changes a line's color when a VIA-RGB or VIA-Y/C interface is used.
- On-screen menu options for clearing the screen entirely or erasing lines one at a time.

One application for the VIA-30J video crossline generator involves using the crossline marker as a "target" for the SEMQ (Scanning Electron Microscope for Quantitative Analysis) which is installed with a camera and monitor. For more information on this application, please contact Boeckeler Instruments, Inc.

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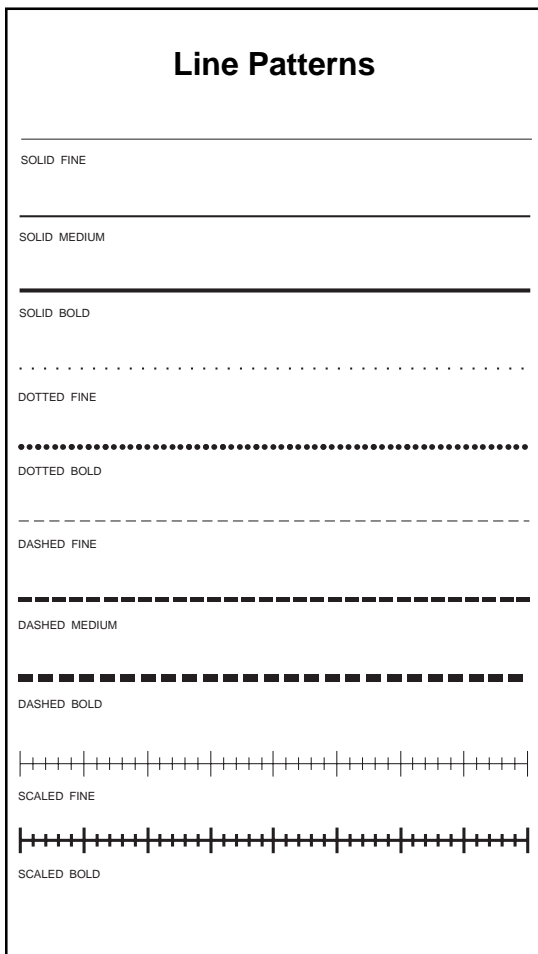


The VIA-30J video crossline generator with JS-40 joystick controller.

## DESCRIPTION

When the VIA-30J video crossline generator is used with a video camera and monitor, operators are able to overlay a video image with crossed lines, vertical lines or horizontal lines which are positioned then anchored. Using a Set Up Menu, operators may select which line type(s) will be used. By operating a Markers button on the joystick controller, users may choose one of ten marker or line patterns in varying line thicknesses. By selecting and placing individual lines anywhere on the screen, simple and complex combinations of lines may be created in one graphic overlay. The overlay may be stored for fast and easy retrieval, making the VIA-30J a necessity in any operation requiring high repeatability.

The VIA-30J is intended for use with all monochrome RS-170 and color NTSC composite cameras and monitors with black and white overlays generated on the video images. The VIA-30J is compatible with the Boeckeler VIA-RGB and VIA-Y/C video interfaces, which allow the VIA-30J to be used with RGB and Y/C (S-Video) monitors and cameras. These interfaces offer the opportunity to create brightly colored marker overlays. An export model is compatible with European CCIR and PAL video standards.



## SPECIFICATIONS

Video Input.....	RS-170, CCIR, NTSC, PAL; Composite (BNC X 1); 1.0Vp-p, 75 ohms
Video Output.....	Unity gain, loop through; Composite (BNC X 1); 1.0Vp-p, 75 ohms
Overlay Contrast Range.....	Black to White
Resolution.....	1024 (H) x 482 (V) for RS-170 and NTSC; 1024(H) x 512 (V) for CCIR/PAL
Stability.....	Reticle line placement accu- rate to one line of video, phase locked to camera for stability.
Ambient Temperature.....	0° C to 55° C
Power Supply.....	110/220 VAC, 0.5 AMP (60Hz)
Dimensions of Base Unit.....	9.9" W x 2.6" H x 7.0" D
Approximate Weight.....	6 lbs with joystick controller
Warranty.....	1 year parts and labor

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