

FEATURES

- Inserts movable crosshair.
- Inserts boresight reticle (crosshair).
- Inserts programmable Field-of-View box.
- RS-232 Serial Port.
- Operates with NTSC, S-Video, RS170, or optionally PAL/CCIR (6225CP).
- Non-volatile Memory.
- Powered by 9 to 36 Volts DC.



DESCRIPTION

The Model 6225C Crosshair Inserter provides for the insertion of a Movable Crosshair, a Fixed Boresight Reticle and a programmable Field-of-View (FOV) Box, into an applied RS-170, NTSC or S Video signal. The movable crosshair and the FOV box may be positioned within the viewed scene by serial ASCII commands entered via an RS-232 port. Additionally, the fixed boresight reticle may be enabled/disabled via the RS-232 port.

The movable crosshair format is an open center, full screen crosshair with fixed tick marks on each axis and a small crosshair at the center. The length of the horizontal and vertical elements of the small crosshair is 9 pixels. The opening in the large crosshair is 63 by 63 pixels. The tick marks are located at 20 pixel intervals from the center. The position is stored in non-volatile memory and once set, will remain even when power is interrupted.

The fixed boresight crosshair may be inserted in the precise center of the video raster under command of the operator via the RS-232 port. It is a open center 90 pixel x 90 pixel crosshair with center dot. The opening is 26 pixels.

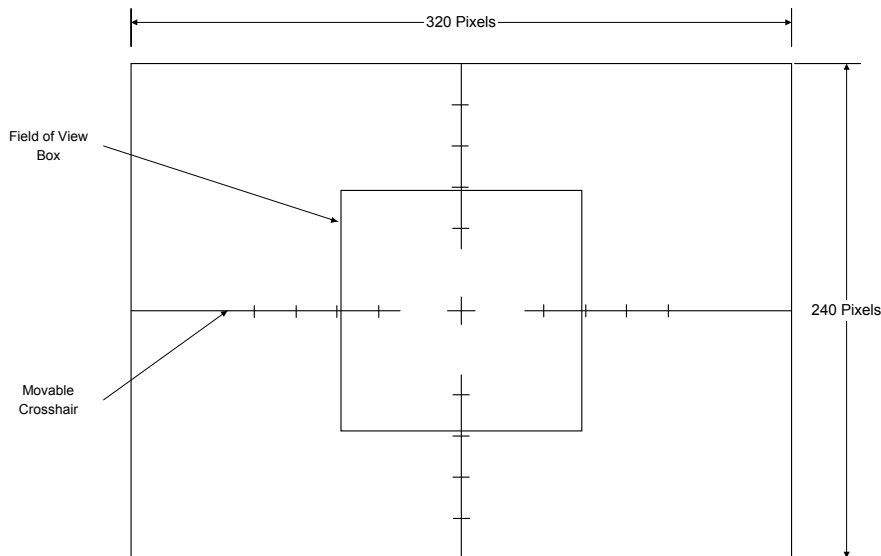
The FOV Box is a closed square box which, when enabled, is positioned by the same commands as the Movable Crosshair. In addition the size may be varied from zero to 99 pixels.

The 6225C is powered by 9 to 36 Volts DC.

Model 6225C Video Crosshair Inserter

SPECIFICATIONS

Video In A	Standard 525/60 composite video 2:1 interlace, black negative per EIA RS-170, NTSC or S-Video. 75-ohm input impedance. 1.0 volt peak-to-peak. CCIR/PAL optional (6225CP)
Video In B	Standard Component S-Video (YC).
Video Out	Identical to video input except with message data added and DC restored, 75-ohm impedance (output as specified when terminated by 75-ohm load).
Serial Interface	EIA RS-232C, Asynchronous, 19200 baud, 8 data bits, 1 start bit, 1 stop bit, no parity, no flow control. The baud rate may be changed via internal DIP switch: 2400, 4800, 9600 or 19.2K baud.
Video Amplifier Bandwidth	>20 MHz \pm 1db.
Power	9 to 36VDC, 1.1 Watts.
Temperature	
Operating	0°C to +60°C
Non-operating	-20 to +70
Humidity	95% non-condensing.
Package	
Size	7.00 " wide (including mounting flanges) x 7" deep x 1.72" high.
Weight	1.7 lbs.



Movable Crosshair shown in default position
FOV Box is shown enabled, default is OFF