

## FEATURES

- Synchronizes the NAC HSV500 C<sup>3</sup> High Speed Video Camera to an applied IRIG B time signal.
- Insert time message into video.
- Inserts user generated annotation into video.
- Synchronizes and annotates up to four cameras with identical data.
- Setup and operation may be done using included keyboard or via RS-232 port.
- Mounts to top of NAC HSV500 C<sup>3</sup> High Speed Video System.



## DESCRIPTION

The Model 6145 IRIG Processor is an accessory to the NAC HSV500 C<sup>3</sup> High Speed Video System which provides for the synchronization of the video field with IRIG time and the insertion of an IRIG time message into the viewed scene. It detects and demodulates the IRIG B serial time signal, phase locks the video sync to the decoded signal and generates a numeric time message which is inserted into the HSV500 C<sup>3</sup> image via the Data Mix port. A single 6145 has the capability of synchronizing and annotating up to four cameras, with identical data inserted into each.

Additionally, Keyboard/RS232 inputs are available which allow the Model 6145 to generate alphanumeric annotation as input from the optional keyboard or from an external terminal or computer via the RS232 port.

The unit is housed in a 13.5" x 9.7" x 2" sheet metal enclosure designed to mount on top of the HSV500 C<sup>3</sup> recorder assembly. It is powered by 115VAC.

# MODEL 6145 HIGH SPEED IRIG PROCESSOR

---

## SPECIFICATIONS

<b>IRIG Input</b>	IRIG B Standard serial time code (IRIG Standard 200-98).
<b>Time Display Resolution</b>	0.0001 seconds.
<b>Video Output</b>	TTL levels, compatible with NAC HSV500 C <sup>3</sup> "Data Mix" input port. 75 ohm impedance.
<b>Sync Output</b>	Low True, CMOS levels HD and VD drive signals. 75 ohm impedance.
<b>Keyboard</b>	"PC" style alphanumeric.
<b>RS232 I/O</b>	EIA RS232C, 9600 baud
<b>Display Annotation Format</b>	32 characters per line, 30 lines maximum.
<b>Environment</b>	
Temperature	0° to 55°C
Humidity	85% non-condensing
<b>Power</b>	115VAC 50/60Hz 5 watts