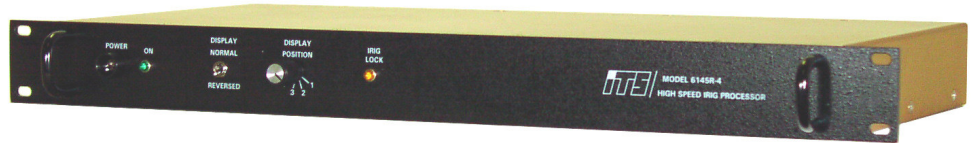


## FEATURES

- Synchronizes the NAC HSV4000 High Speed Video Camera to an applied IRIG B time signal.
- Insert time message into HSV4000 video.
- Inserts user generated annotation into video.
- Selectable insertion mode.
- Setup and operation may be done using included keyboard or via RS-232 port.



## DESCRIPTION

The Model 6145R-4 IRIG Processor is an accessory to the NAC HSV4000 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 HSV4000 image via the Data Mix port.

Additionally, Keyboard/RS232 inputs are available which allow the Model 6145R-4 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 1U, 19 inch rack mountable aluminum enclosure, 1.72" high and 9" deep (including connectors). (See fig 1). It is powered by 100-250VAC, 50-60Hz.

# MODEL 6145R-4 HIGH SPEED IRIG PROCESSOR

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## 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. Compatible with HSV4000 Aux port.
<b>Keyboard</b>	"PC" style alphanumeric.
<b>RS232 I/O</b>	EIA RS232C, 2400 to 19200 baud. Default setting = 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>Package</b>	
Size	19" wide x 9" deep (including connectors) x 1.72" high (1U)
Weight	4.5 lbs
<b>Power</b>	115VAC 50/60Hz 5 watts

