

NAC's HSV-4000 High-Speed Color Video System



The NAC HSV-4000 high-speed color video system provides ultra-long record times at up to 4000 pps.

The HSV-4000 is ideal for applications that demand full frame resolution at 1,000 fps. The extremely long record times of the HSV-4000 system (up to 10 minutes) make it perfect for high-speed events where it is difficult to predict when the event may occur.

Whatever the application, the HSV-4000 delivers the crisp, high-resolution, brilliant color pictures that are required to understand what is truly occurring during a high-speed event. Because the HSV-4000 records on inexpensive, readily available S-VHS and VHS tape cassettes, the original tapes can be played back anywhere on a standard VCR.

The HSV-4000 system consists of a video cassette recorder (VCR) and color digital camera. An easy-to-use hand held keypad controls all the record and playback functions. Playback speeds can be incrementally increased or decreased from the still position through a unique rotary control.

The NAC HSV-4000 is the only solution for those who require high frame rates and the long record times needed for high-speed events that are difficult to predict.

Japan/Asia

NAC Image Technology, Inc.
8-7 Sanban-cho, Chiyoda-ku,
Tokyo, Japan 102-0075
Tel: +81-3-5211-7960
Fax: +81-3-5211-7975

Visit us at www.nacinc.com

The Americas

NAC Image Technology
193 Jefferson Ave, Suite 102
Salem, MA 01970 U.S.A.
Tel: (833) 600-0280
E-mail: sales@nacinc.com

Europe

NAC Deutschland GmbH
Hedelfingerstr. 54-70
70327 Stuttgart, Germany
Tel: +49(0)711-4065833
Fax: +49(0)711-4065834
E-mail: rwestphal@nacinc.de
Website: www.nacinc.de

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NAC HSV-4000 Specifications

Recording System:	S-VHS/VHS/S-VHS ET
Frame Rate (Display Size):	500 pps (Full Frame), 1,000 pps (Full Frame), 2,000 pps (Half Frame or Full Frame) and 4,000 pps (Quarter Frame or Full Frame)
Sensor:	640 x 484 pixels, 12-micron CMOS
Image Resolution:	S-VHS: 320+TV lines, VHS: 200+TV lines
Color/Monochrome:	Color/Monochrome Switchable
Recording Time:	Approximately 10 min. using a ST-180/T180 cassette Approximately 7 min. using a ST-120/T120 cassette
Shutter:	OPEN to 1/200,000 sec.
Sensitivity:	24,000 lux at F4 and 1000 pps
Video Output:	NTSC/PAL
Local Operation:	Possible by control panel of VCR or handheld controller (wired/wireless)
Remote Operation	Possible by RS-232C Serial Interface and/or HSV Control & Capture Software
Playback:	Normal, Still, Step, Search (variable speed from slow to fast)
FF/REW :	Approximately 1 min. (ST-120)
Lens Mount:	C-mount
Camera Cable:	Up to 40 meters
Size (mm):	Camera: 100W x 100H x 137D VCR: 250W x 147H x 347D
Weight:	Camera: Approximately 1.5kg VCR: Approximately 9.5kg
Power:	20-32 VDC (AC adapter is Available)