

NAC's HSV-1000 Color High Speed Video System



Long record times on inexpensive VHS or S-VHS tape cassettes make the HSV-1000 versatile and cost-effective.

The very long record times of the HSV-1000 system (up to 14 minutes) make it perfect for finding a malfunction in a pick and place station on an assembly line, packaging line or for determining a subject's progress during biomedical studies. Whatever the application, the HSV-1000 delivers the crisp, high resolution brilliant color pictures that are required to understand what is occurring during a high speed event. And, because HSV-1000 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-1000 system consists of a video tape recorder (VCR) and video monitor mounted on an inte-

gral cart and the HSV-1000 color camera. An easy-to-use hand held keypad controls all record and playback functions. Playback speeds can be incrementally increased or decreased from the still position through a unique rotary control.

The HSV-1000 camera records at 500 or 1000 fps with a variable shutter that helps capture sharper pictures than similar systems. Daylight and tungsten optical filters are built-in and can be switched by the twist of a control for correct color balance indoors or out. For added versatility the HSV-1000 camera is easily switched to monochrome operation for those times when a black and white image is more appropriate. The camera also has record and playback controls on the rear panel to run the system from the camera.

HSV-1000 Features

- Recording speeds: 1000 or 500 pps
- Records on low cost, readily available S-VHS or VHS tapes
- Playback options include: Forward, Reverse, Still, Stop, Jog, Search, Variable Speed
- Recording times up to 14 minutes with ST-120
- Resolution of up to 350 + horizontal lines
- Output: Y/C, NTSC or PAL
- Easy-to-use hand held controller makes operation simple
- Original tapes play on standard VCR's

Options

- Wave inserter
- IRIG timing and sync.

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Image Technology

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SPECIFICATIONS

VCR

Recording Speeds:	500 or 1,000 pictures per second
Recording Format:	S-VHS or VHS switchable
Output:	NTSC/PAL and Y/C (display size is reduced for PAL video output)
Playback:	Forward/Reverse, Still, Step, Job Search, Variable
Freeze Frame:	Built-in picture memory (one picture)
Cassette Tape:	S-VHS or VHS
Recording Time:	14 minutes with ST-120 or T-120
Resolution:	350+ lines horizontal resolution
Power:	90-132 AC
Weight:	109 lbs.
Size:	33.5"H x 20.8"W x 20.2"D
Temperature:	Operation: 0 to +45°C Storage: -10 to 60°C
Humidity:	Operation: non-condensing RH Storage: 0 to 80% RH
Monitor:	750+ lines horizontal resolution

Camera

Sensors:	MOS 2/3 inch
Shutter:	1/500, 1/1000, 1/2500, 1/5000, 1/10000
Resolution:	400+ lines, video resolution
Lens Mount:	C Mount
Pixel Count:	649 x 491
Cable Length:	7m standard, 25m and 50m optional
Weight:	9 lbs. without lens
Gain:	0 dB, +6 dB, +12 dB switchable
Size:	Approx. 7.2"H x 5.3"W x 11.8"L without lens

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