

2700 High Density S-VHS Time Lapse Recorder



NAVCO's 2700 HDR recorder is a culmination of the finest industrial time lapse recorder technology. Super-VHS recording provides the clearest, sharpest Color and B/W recorded images. High-Density Recording can triple the number of recorded images per tape to significantly increase the quantity of recorded images.

The industry transition to low cost Color camera technology requires S-VHS technology in order to provide usable Color images. Combining S-VHS quality and High-Density Recording provides detailed and identifiable images that are recorded economically for future use.

The 2700 HDR recorder is compatible with a wide variety of switchers and camera controllers. An optional NAVCO 2750/70 RS 232 communication board provides the industry's most advanced "intelligent" VCR control when combined with NAVCO Video System Controllers.

Key Features

- **High Density Recording** Provides up to 3x the number of images per tape as compared to standard density recording.
- **S-VHS Recording** An average of 400 lines horizontal resolution B/W or Color.
- **100% Direct Drive** Ensures stable high-density recording, extended VCR operating life and tape playback compatibility between recorders.
- **"Intelligent" RS 232 Control** Optional RS 232 communication boards provide full remote programming, time search and one-button tape change functions via NAVCO Video System Controllers.
- **Compatibility** Allows playback of virtually all tapes recorded from S-VHS/VHS time lapse recorders in standard or high density mode.

As with all quality NAVCO video products, this recorder is designed to work with NAVCO's complete family of integrated video controllers, monitors and cameras.

2700 High Density Recorder

Standard **NAVCO** Features

- Die Cast Chassis
- Brushless Direct Drive Motors
- No Belts for Tape Transport
- Time/Date Generator
w/white on black characters
- Programmable Frame Pulse
- VCR Timer (internal/external)
- Programmable Time Speed Select
- Adjustable Tape Low Indicator
- Automatic Rewind/Replay
- "Not in Record" Blue Screen Alarm
- Programmable Record Review
- One Button Record
- Video Loss Detection
- Programmable Alarm Buzzer
- Alarm Search/Memory
- Alarm External Input
- One Shot Recording
- Tape Pass Counter
- Alarm Output

Communication Boards

2750 RS 232 Communications Module for full remote control via computer or NAVCO Controller.

2770 RS 232 Communications Module for full remote control via computer or NAVCO Controller.
Provides VITC encode for NAVCO controllers not equipped with VITC.

Standard / High-Density Comparison

Record Speed	High Density Mode	Standard Density Mode
24 hrs.	12.50 images/second	5.00 images/second
180 hrs.	2.00 images/second	.66 images/second
480 hrs.	.75 images/second	.25 images/second

Specifications

General

Video Recording
Playback System: 4 Rotary Heads, Helical scan, Azimuth recording
Modulation System: Luminance; Frequency modulation recording
 Chroma; Converted subcarrier phase shift recording
Power: AC120V, 50/60Hz, 30 Watts (consumption)
Dimensions: 4.44" H x 15" W x 13.44" D
Weight: 16.5 lbs.
Operating Temp.: 41° to 104° F
Tape Speed: Approximately 3 minutes (with a 120 minute tape)
Tape Format: S-VHS/VHS Standard Tape

Video

Video Signal: EIA Standard (525 lines, 60 fields)
 NTSC-color signal (color B/W auto program)
S-Video Input: Y; 1.0 Vp-p 75ohms, unbalanced
 C; 0.286 Vp-p 75ohms, unbalanced
BNC Video Input: 1.0 Vp-p 75ohms, unbalanced
S-Video Output: Y; 1.0 Vp-p 75ohms, unbalanced
 C; 0.286 Vp-p 75ohms, unbalanced
BNC Video Output: 1.0 Vp-p 75ohms, unbalanced
Horizontal Resolution:
 VHS (Average) 300 lines B/W
 240 lines Color
 S-VHS (Average) 400 lines B/W & Color
Signal to Noise: Better than 46dB (2H mode, B/W & Color)

Record / Playback Selectable Speeds

Normal Density: 2,L12,L18,L24,24,48,72,96,120,180,240,480
 Hour & 1 Shot Mode (L=Linear)
High Density: 6,24,48,72,96,120,180,240,480,960
 Hour & 1 Shot Mode

Audio

Audio Line Input: (phono)
 Impedance -10dBv, 47K ohm, unbalanced
Mic. input: (mini- jack)
 Impedance -60dBv, 600 ohm, unbalanced
Audio Line Output: (phono)
 Impedance -8dBv, 600 ohm, unbalanced

Specifications shown are for the SP (2 hour) mode unless otherwise stated. Specifications are subject to change without notice.



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 SECURITY SYSTEMS