

8500 Digital Recorder



The NAVCO 8500 combines the functionality of a triplex digital multiplexer and a digital recorder in one easy to use unit. The 8500 series offers high frame rate recording, large internal storage capacity, time lapse and motion-based recording modes, dry contact and motion based alarms, pre- and post- alarm recording, and automatic system configuration, so the 8500 is ready for immediate use out of the box.

Because the NAVCO 8500 offers the functionality of a triplex digital multiplexer, it can serve as the heart of your security system. The 8500 will accept up to 16 video inputs and 16 alarm inputs. Two monitor outputs allow you to view live images and play back prerecorded video simultaneously, all without interrupting recording. The 8500's two alarm outputs allow you to trigger external events based on alarms or events, and programmable macros allow the user to predetermine how the system responds to various alarms or other events.

The VCR-type controls offer a simple, intuitive interface for viewing video, and the front panel Jog and Shuttle controls permit frame-by-frame image viewing and fast forward or fast reverse playback. The NAVCO 8500 can also be accessed via NAVCO's Retrieval software, the same remote application that communicates with all of NAVCO's digital recorders.

KEY FEATURES

Intuitive Controls The NAVCO 8500 combines the controls and functionality of a multiplexer and VCR. Easy-to-use front panel controls allow for flexible operations without adding unnecessary complexity.

Triplex Operation The 8500 offers true triplex operation, meaning that images can be recorded, live images can be viewed, and archived images can be played back, all simultaneously.

Flexible Remote Viewing and Retrieval Images can be viewed live or retrieved from storage via NAVCO's Retrieval software. Retrieval offers a flexible, easy to use interface, and yet offers an impressive array of features. From a single desktop PC, a user can review live and archived images from any number of recorders simultaneously.

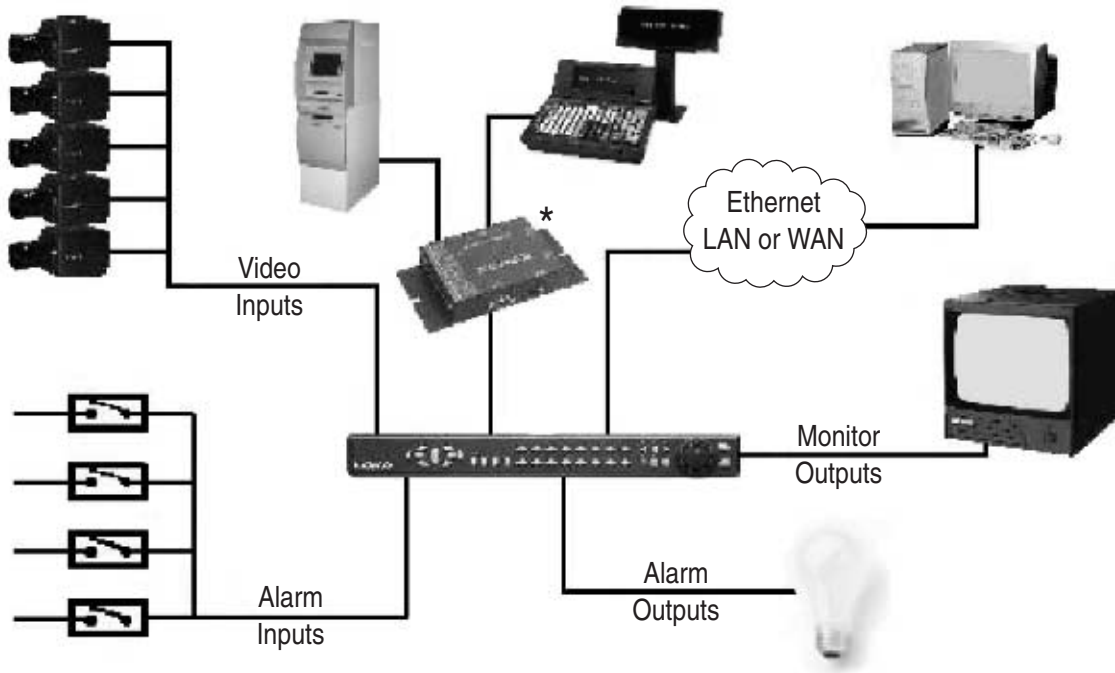
Transaction Interface The NAVCO 8500 can be configured as a transaction-based recorder, associating images with point of sale, ATM, or teller line data. Images can be retrieved with a simple search based on any information within the transaction data.

Large Storage Capacity The 8500 can be configured with up to 1 terabyte of internal storage. Additionally, an external disk array can be used, increasing total storage capacity to as much as 8 terabytes, allowing video to be stored for weeks, months, or even years.

High Frame Rate Recording The 8500 captures up to 60 images per second and can support up to 16 video inputs.

Easy Set Up The 8500 comes out of the box fully configured and ready to begin recording. Alternatively, the user can set the unit up to record time lapse images, or record based only on motion, events, or alarms.

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* Transaction Interface requires optional transaction interface unit.

ORDERING INFORMATION & SPECIFICATIONS

Image Capacity/Storage Time

(Refer to the Disk Capacity/Frame Rate chart below); Note: values given are approximate for recorded NTSC video.

Disk Capacity	Pictures Per Second (pps) – High Resolution *							
	0.125	1	2	3	5	10	30	60
80 GB	269 days	34 days	17 days	11 days	7 days	3.4days	27 hrs.	13 hrs.
160 GB	539 days	67 days	34 days	22 days	13days	6.7 days	54 hrs.	27 hrs.
320 GB	1077 days	135 days	67 days	45 days	27 days	13 days	4.5 days	54 hrs.
640 GB	2155 days	270 days	135 days	90 days	54 days	27 days	9 days	4.5 days
1 TB	3367 days	421 days	211 days	140 days	84 days	42 days	14 days	7 days

* Multiply duration by 1.375 for Medium Resolution or 2.2 for Standard Resolution

Optional features offered for the 8500 include an external disk array, allowing for increased total system storage of over 8 terabytes; and transaction interface, offering the possibility of interfacing as many as 16 POS terminals, ATMs, or teller terminals to the 8500, and associating video with the corresponding transaction data. The 8500 is available in both 10 and 16 channel configurations.

Inputs:

Camera	10/16 looping BNC, auto-terminating
RS232 Port 1	DB9 Male (POTS, remote control)
RS232 Port 2	RJ45 (ASCII text insertion, events)

Video Out:

Mon A Y/C	S-VHS, 4 pin mini-DIN
Mon A Comp.	BNC connector (NTSC)
Mon B Y/C	S-VHS, 4 pin mini-DIN
Mon B Comp.	BNC connector (NTSC)

Resolution: 720 pixels (horizontal) x 484 lines NTSC/EIA

Colors: YUV 4:2:2, 16.8 million

Grayscale: 256 levels

Hard Disk: Configurable

External Archive: Modified SCSI port (1 ea. DB 50-S-SCSI)

Record Speeds: Selectable: 0.125 pps – 60 pps

Network Interface: 10/100 Mbps Ethernet (RJ45)

Alarm Interface:

Inputs	10 or 16 Fixed N/O
Outputs	(2) form-C relays, fixed N/O, 0.5 A

Dimensions:

2 Drive	17.42 x 13.5 x 1.75 inches
4 Drive	17.42 x 13.5 x 2.7 inches

Weight: Approximately 9 lbs. (4 Kg)

Power Consumption: 35 watts nominal

Temperature: 32°F - 104°F (0°C – 40°C), operating

Humidity: 90%, non-condensing