



# Nakamichi 700 II

## 3 Head Cassette System



## Still awaiting serious competition...

There is only one cassette deck better than the Nakamichi 700, and that is the Nakamichi 1000. This has been the case ever since the 700's introduction, and it is equally true today. For many others have come and gone during the 700's illustrious existence, but the 700

continues to outperform the rest by a comfortable margin. There is no mystery about it — like other Nakamichi products, the 700 has evolved through a series of refinements. The Nakamichi 700 of today is not the same as the Nakamichi 700 of yesteryear.

The latest series of refinements have resulted in the Nakamichi 700 II, a cassette deck that takes its place next to the Nakamichi 1000 II to form a formidable pair of three-head cassette machines which will once again set the example for many years to come.



# Nakamichi 700II

## 3 Head Cassette System

The Nakamichi 700 II features the following:

- true three-head configuration utilizing a 5 micron gap record head and a separate 0.9 micron playback head, yielding optimum headroom and high frequency performance
- dual capstan closed-loop DC Servomotor drive for perfect tape-to-head contact and completely inaudible wow & flutter (less than 0.1% DIN wtd peak, under 0.05% WRMS)
- exclusive record head azimuth alignment beacon which utilizes a built-in 400 Hz tone generator to align the record head using a phase method - by far the most precise method for head alignment (using a high frequency tone is less accurate!)
- feather touch transport controls with full IC logic circuitry for 100% foolproof tape handling
- Dolby Noise Reduction System
- memory rewind
- unattended record and full remote control capabilities (DS-200 and RM-170 options required)
- mic/line mixing capability
- playback pitch control for correcting off-speed recordings
- switchable MPX Filter for FM Stereo recording
- three microphone inputs with newly increased sensitivity and linearity
- increased headphone output

- front panel record level calibration access
- expanded scale peak level meters (-40 dB to +10 dB)
- increased recording headroom: overall dynamic range with Dolby is 74 dB at 400 Hz!
- new long-life Crystal Permalloy playback head
- independent Tape (bias) and Equalization selectors
- improved tape transport mechanism with fewer moving parts
- improved electronics with minimized phase shift, capable of near-perfectly reproducing a square wave.

### Specifications

Power Supply .....	100, 117, 220, 240V 50/60 Hz
Power Consumption ...	60W Max.
Tape Speed .....	1-7/8 ips. ±1%
Wow & Flutter .....	Less than 0.1% (DIN 45507 Weighted Peak) Less than 0.05% Wrms
Frequency Response ...	35 - 20,000 Hz ± 3 dB (Dolby NR In, SX or EX II Tape)
Signal to Noise Ratio ...	Better than 65 dB (Dolby NR In, Wrms 400 Hz 3% Distortion)
Total Harmonic Dis- tortion	Less than 1.5% (at 1 kHz, 0 dB)

Erasure .....	Better than 60 dB (at 1 kHz, Saturation Level)
Channel Separation ...	Better than 35 dB (at 1 kHz, 0 dB)
Cross Talk .....	Better than 60 dB (at 1 kHz, 0 dB)
Bias Frequency .....	105 kHz
Transistors .....	115 pcs.
Diodes .....	51 pcs.
ICs .....	9 pcs.
Input:	
Mic Input .....	0.2 mV 10 kΩ
Blend Mic .....	0.2 mV 10 kΩ
DIN Mic Input .....	0.2 mV 10 kΩ
Line .....	50 mV 50 kΩ
DIN Radio .....	5 mV 20 kΩ
Output:	
Line .....	1.0V (Max.) Variable
DIN Line Output .....	1.0V (Max.) Variable
Headphones .....	40mW/8Ω (1kHz, 0 dB)
Dimensions .....	20-1/2(W) x 10-11/16(H) x 5-1/8(D) inches 520(W) x 267(H) x 130(D) m/m
Weight .....	28 lbs. (approx.) 13 kg

- Specifications and appearance design are subject to change for further improvement without notice.
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NAKAMICHI RESEARCH (U.S.A.), INC.  
220 Westbury Avenue  
Carle Place, N.Y. 11514  
Phone: (516) 333-5440  
Telex: 144513 (NAKREI CAPL)

NAKAMICHI RESEARCH (U.S.A.), INC.  
1101 Colorado Avenue  
Santa Monica, Calif. 90401  
Phone: (213) 451-5901  
Telex: 652429 (NAKREI SNM)

NAKAMICHI RESEARCH INC.  
1-153 Suzukicho, Kodaira, Tokyo  
Phone: (0423) 42-1111  
Telex: 2832610 (NAKREI J)  
Cable: NAKREI KKB