



NAGRA

NAGRA D II

Order # 70 10005 000

4 channel 24 bit Linear Recorder

Features

4 channels (24 bit, 48 kHz, 2 @ 96 kHz)
SMPTE Time Code
Discreet longitudinal track
Menu driven set-up / Window's software

Confidence playback
Application flexibility
Rugged Swiss construction
Reliable

Applications

In various different domains the NAGRA-D and DII are being used to capture the highest possible "on-location" audio for film and television production. The music industry uses the NAGRA-D from mastering CD's to classical and ethnomusicology.

In the instrumentation market, NAGRA-D outstanding features are used for storage of ecologically related recordings referring to ambient noise levels (Instrumentation Option Order # 70 10380 000).

Time Code option

Nagra-D II TC (Order # 70 10370 000) not only offers all the features necessary for a location recorder, but includes all the additional elements required in post-production. The NAGRA-Ds will perform full chase synchronizing functions for film post-production, plus chase-and-sample sync operations for multiple machine recording. Of course it is compatible with all current SMPTE/EBU time code formats.

NADCOM

NADCOM (Order # 70 10516 000) Window's program (connected to Nagra D's RS422 port) allows the user instant, permanent and unique access to the heart of the recorder. Detailed data can be printed out and kept as a permanent historical account of a recording. Multiple windows can be opened simultaneously to monitor the levels, error correction, analog measurements, internal settings of the machine, as well as offering the user full machine control and set-up possibilities.

Special features

Multi-track	Up to 12 tracks with 3 NAGRA D II (sample sync accuracy)
Customized	Parameters of the machine can be stored to be recalled instantly
Recording time	Up to 4 hours of stereo 48 kHz/24 bit recording with 7" reels (Order # 70 10521 000)
Longitudinal tracks	True longitudinal tracks for TC and cue

Specifications

Tape format / transport system

Recording system	Rotary head and longitudinal CUE and TC tracks
Monitoring	Read after write
Tape type	¼" (6.35 mm) Digital tape
Search possibilities	Using longitudinal analog CUE track and SMPTE Time Code
Start up time	From READY to REC less than 2 s
Winding speed	Up to 4 m/s (90 s for 5" reel)

Audio performance

Number of channels	2 to 4
Sampling frequency	32 - 96 kHz (optional 88,2 and 96 kHz Order # 70 10215 000)
A/D and D/A conversion	24 bit Sigma-Delta
Signal to noise ratio	Better than 115 dB
Frequency response	20 Hz to 20 kHz +/- 0.5 dB @ sampling frequency 48 kHz
Total Harmonic Distortion	Less than 0.05 %
Wow and flutter	Below measurable limits
Channel separation	80 dB

Inputs / outputs

Analog inputs	Switchable line or microphone (Line input option Order # 70 10324 000)
Microphone	4 x XLR (Dynamic, "T" Powering and +48V Phantom)
Line	XLR Symmetrical, transformerless (Zin > 8 kO)
Analog outputs	XLR Symmetrical, transformerless (max = +12 dBu, Zout= 50 O)
Digital I/O	AES standard mode single or double wire for high sampling frequencies
Time Code I/O	SMPTE / EBU on Lemo plug (balanced)
External sync	PAL / SECAM / NTSC / EXT / AES / TC / Word Clock
Serial communication	RS 422 9-pin
Headphone outputs	2 x stereo with level adjustment (1.45 v @ 0 dB no-load)

General

Power requirement	Internal battery pack
Battery type	BP-90
Autonomy	2 hours
consumption	STOP = 24 W, REC = 29 W

Physical

Dimensions	332 x 347 x 143 mm (13 x 13.6 x 5.5 ")
Weight	8.5 kg (18.7 lb) battery included (additional battery Order # 20 98400 000)

Optional accessories

External accessories

70 10755 000	ND-CCC3	Current control charger with QCAW power cable
20 99050 000	ND-SCC	Soft carrying case
20 97755 000	BDT-13	Metal oxide digital tape (5") Emtec 931
20 97760 000	QDT-18	Metal oxide digital tape (7") Quantegy 467

Cables

70 10540 000	ND-PCA	RS 232 / RS 422 Adaptor for PC connection
70 10906 000	ND-SSC	Cable, Sample sync for locking two Nagra -D machines
70 70905 000	ND-RSC	Cable RS 422 crossed for mirror copy between two machines
70 16908 000	QCTC	TC cable Lemo male / male 1.5 m

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