

LS-3 - Specifications



[Back to Main page](#)

[Specifications](#) [Box Contents](#) [Accessories](#)

Classification

Product Class	Linear PCM Recorder
Mobile / Stationary	mobile

Storage Media

Internal memory	4 GB Flash Memory
microSD / microSDHC card	Yes

USB functionality

USB Speed	USB 2.0 High Speed
USB Storage class	Yes
USB Audio class	Yes
USB HID	Yes

Display

Display Type	Full Dot Matrix Display
Display Size	31 x 29.7 mm 1.69 "
Display Backlit	Yes

Device operation

HOLD switch	Yes
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Recording Modes

Recording format	PCM / MP3 / WMA
PCM (WAV) format	
96kHz / 24bit	1 h 45 min
88.2kHz / 24bit	1 h 55 min
48kHz / 16bit	5 h 25 min
44.1kHz / 16bit	5 h 55 min
44.1kHz mono	11 h 55 min
MP3 format	
320 kbps	26 h
256 kbps	32 h 30 min
128 kbps (MP3)	65 h 30 min
Mono (MP3)	131 h
WMA format	
128 kbps (WMA)	64 h
64 kbps	128 h
32 kbps (WMA)	257 h
WMA (Mono)	1007 h

Recording times shown above are approximate values for the 4 GB internal memory. Maximum recording capacity per each file is limited to approx. 4 GB for WMA and MP3 and 2 GB for PCM WAV.

Frequency response

96kHz (PCM)	40 - 44.000 Hz
88.1kHz (PCM)	40 - 42,000 Hz
48kHz (PCM)	40 - 23.000 Hz
44.1kHz (PCM)	40 - 21.000 Hz
320 kbps (MP3)	40 - 20.000 Hz
256 kbps (MP3)	40 - 20.000 Hz
128 kbps (MP3)	40 - 17.000 Hz
Mono (MP3)	40 - 13,000 Hz
128 kbps (WMA)	40 - 19.000 Hz
64 kbps (WMA)	40 - 16.000 Hz
32 kbps (WMA)	40 - 9,000Hz
Mono (WMA)	40 - 3,000 Hz
Built-in stereo microphones	20 - 20.000 Hz (Center Mic = ON) 70 - 20.000 Hz (Center Mic = OFF)

Record function

Pre-Recording	2 s
Index	Up to 16 per file
Partial Erase	Yes (only PCM mode)
Erase all files	Yes
Erase single files	Yes
Erase lock	Yes
Rec Monitor	Yes
Low Cut-Filter	Yes (2 steps)
Zoom Mic. Setting (DVM)	Yes
Voice Sync	Yes
VCVA recording	Yes
Timer recording	Yes
Manual Rec level control	Yes
Limiter	Yes
Compressor	Yes
Recording Scenes	3 settings storable

Playback function

Noise canceling function	Yes
Voice filter	Yes
Reverb	Yes
EUPHONY	Yes
Fast play	Yes
Slow Play	Yes
Fast forward and rewind	Yes
Forward / Reverse Skip	Yes
Alarm playback	Yes
Gapless Playback	Yes
Repeat playback	Yes
A-B repeat playback	Yes
Random playback	Yes
Cue/Review	Yes
Intro scan	Yes
Playback Scenes	3 settings storable

Data organisation

No. of folders for Voice	5
Folder Music	max. 200
Files per folder	200
Time/date info	Yes
File move	Yes
File divide	Yes (Only PCM and MP3 files)
File Copy (Folder to Folder)	Yes
File copy (internal memory - external memory)	Yes
device format	Yes

Other Features

Beep signal (system sound)	Yes
Voice guidance	Yes
Remote Control	Yes (optional)
Tripod socket	1/4 "

Software

corresponding Audio software (name)	Sonority
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Interfaces Input

PC interface	USB Cable
Microphone jack	3.5 ø mm mini-jack, impedance 2.2 kΩ
Microphone input level	-70 dBv

Interfaces Output

Earphone jack	3.5 ø mm mini-jack, impedance 8Ω or more
Maximum headphone output	≤ 150 mV
Speaker	20 mm (mono) / Built-in round dynamic speaker
Max. working output	400 mW (8 Ω speaker)

Power Supply

Max. Battery Life	Alkaline Battery , 44 h Rec. , WMA mono Alkaline Battery , 30 h Rec. , 44.1kHz (PCM)
Device standalone recharge function via AC adapter	Yes (optional)
Device standalone recharge function via USB	Yes
External power supply	USB connecting AC adapter (A-514)

Power Supply

2 x AAA Batteries

Dimensions

Weight

90 g (incl. batteries)

WxHxD

112 x 39.8 x 15.9 mm (without protrusions)

Housing material

Aluminium

Housing colour

Black

Languages

Menu languages

EN, ES, FR, DE, IT, RU, PL, CS, SV, DK, NL, BR, CN

Operating Systems & Requirements

Windows

Operating system: Windows XP (SP2 or later),
Windows Vista, Windows 7 (Free USB port)

Macintosh

Operating system: Mac OS X 10.4.11 - 10.6 (Free
USB port)