ZOOM

One size. Fits all.

XY

STEREO MICROPHONE

The H1 features our renowned recording technology and studio-quality microphones in our easiest, most portable device ever.

H1

Handy Recorder

24bit 96kHz LINEAR PCM RECORDING | MP3 RECORDING | microSD HC | USB 2.0 High-Speed | SPEAKER

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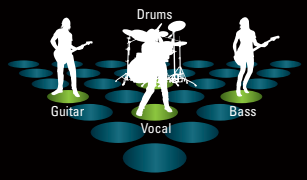
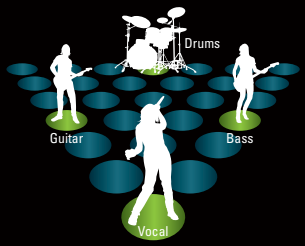
X/Y microphone pattern captures stereo sound with remarkable depth and clarity

Like all Zoom recorders, the H1's onboard microphones are configured in an X/Y pattern for stunning stereo imaging. Because both mics are arranged on the same axis, they are equidistant from the sound source for perfect localization and no phase shifting. The result is great stereo recordings with natural depth and accurate imaging.



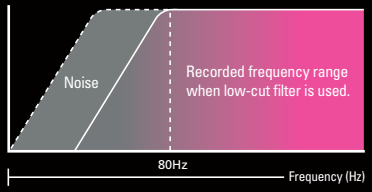


Ordinary stereo microphone
Flat stereo sound lacks depth and distance and sounds unfocused.

H1 X/Y stereo microphone
Spacious stereo sound accurately captures depth and distance.

Reduce noise with the built-in low-cut filter

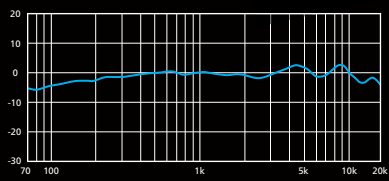
Use the onboard low-cut filter to reduce unwanted background noise and focus the recording. This is ideal for interviews and recording outdoors. Use the optional windscreen to further reduce noise.



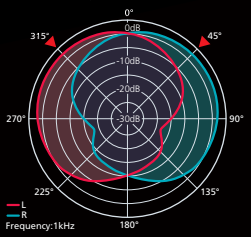
Directional microphones focus only on the sound you want

The H1's built-in directional microphones focus on the sound being recorded. Unlike omnidirectional microphones, which pick up sound all around indiscriminately, the H1 mics ignore the unwanted noise behind them.

Built-in Mic, Frequency Response



Built-in Mic, Polar Pattern



Set recording levels manually or automatically

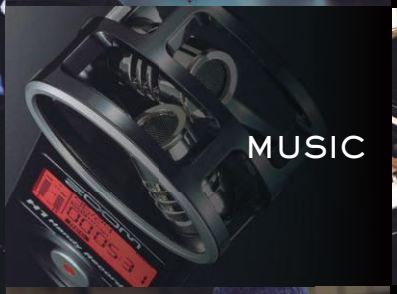
The high-quality built-in preamp can be set to a recording level from 1 and 100. Set the recording level based on your specific needs. You can record anything from subtle nature sounds to a thunderous rock band. You can also achieve clear, undistorted recordings by enabling the AUTO LEVEL function.

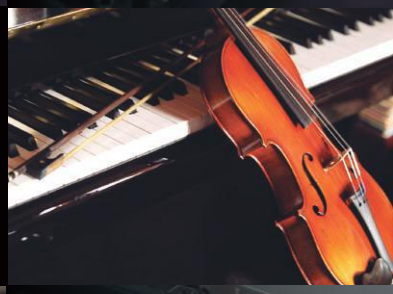
Linear PCM recording at up to 24-bit/96kHz quality

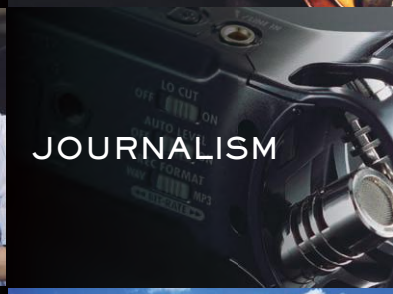
The H1 can record linear PCM (WAV) files at 24-bit/96 kHz, which far exceeds CD quality, allowing the delicate reverberations of natural sounds and acoustic instruments to be recorded faithfully. The H1 can also record in MP3 format to maximize the recording time. These formats are perfect for the web posting or e-mailing to your fans.

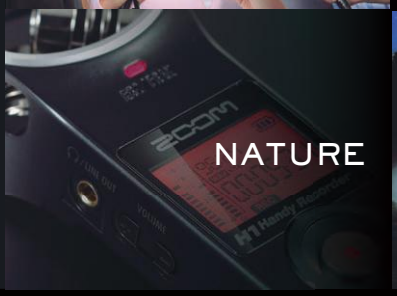
Supports microSDHC cards with capacities of up to 32GB

Using compact and readily-available microSD cards as recording media, you can use up to a 32 GB microSDHC card to record about 50 hours of audio in 16-bit/44.1 kHz WAV format or 555 hours in 128 kbps MP3 format.









Input for external microphones and line level sources

The H1's stereo microphone input jack can provide plug-in power, allowing you to utilize additional mics as needed for your specific application and situation. Moreover, this jack accepts stereo line-level inputs to be used in capturing audio from cassette decks, record players and other analog sources.

BWF allows time stamping and track markers to be added

Because it records in Broadcast Wave Format (BWF), the H1 is ideal for journalists and other professional media. Each recording is stamped with the date and time of its creation and up to 99 track markers or cue points can be added. These functions make managing and editing recordings a breeze.

Convenient reference speaker and informative liquid crystal display onboard

Use the built-in reference speaker to check the results of your recordings right away without the need for headphones. This reference speaker makes selecting a recorded file easy. Its backlit liquid crystal display allows you to check recording levels and other functions, including recording time, battery level and other information.

Hi-Speed USB 2.0 for fast file transfer

Since it meets Hi-Speed USB 2.0 specifications, the H1 can quickly transfer files to any Mac or PC computer. Once your recordings have been transferred on to your computer, you can edit them in DAW software, create original CDs, post them on your social media sites and send files by e-mail.

Easy operation means you never miss a moment.

The H1 has dedicated control buttons for setting the recording format, activating the low-cut filter and implementing automatic level adjustment. The menu-free, streamlined design of the H1 makes it easy to use right from the start.

Attach to a video camera as an external microphone

The compact, lightweight H1 is perfect for use on a video or DSLR camera. The remarkable depth and clarity of sound achieved by the stereo X/Y mic design brings additional realism and depth to HD video. By combining the H1 with a DSLR video camera, you can create a professional video system with high-quality sound.

Continuous operation for about 10 hours on one AA battery

10 hours of continuous recording can be attained with a single AA alkaline battery. With the optional AC adapter, you can record for prolonged periods of time without worrying about the battery level. The H1 can also operate on USB bus power when the card reader function is activated.

Brilliant Stereo Recording... Now in your pocket.

Now Zoom recording technology is available to everyone. And with an infinite variety of applications, you'll want to take your H1 everywhere. From musical performances, songwriting sessions and rehearsals to seminars, conferences, journalism or capturing audio for video applications, the H1 gives you clean, clear stereo sound effortlessly.

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Included Accessories

microSD Card (2GB)

AA Battery (to test the unit)

Specifications

Simultaneous Recording Tracks	2
Simultaneous Playback Tracks	2
Functions	Lo-cut Filter, Auto REC Level, Marker
Recording Format	WAV (Quantization: 16/24bit, Sampling Frequency: 44.1/48/96kHz) MP3 (Bit Rate: 48/56/64/80/96/112/128/160/192/224/256/320kbps, Sampling Frequency: 44.1kHz)
Playback Format	WAV (Quantization: 16/24bit, Sampling Frequency: 44.1/48/96kHz) MP3 (Bit Rate: 32/40/48/56/64/80/96/112/128/160/192/224/256/320kbps, Sampling Frequency: 44.1/48kHz)
A/D Conversion	24bit, 128times oversampling
D/A Conversion	24bit,128times oversampling
Signal Processing	32bit
Recording Media	microSD card (16MB–2GB), microSDHC card (4GB–32GB)
Display	127 segment custom LCD (with backlight)
Built-in Stereo Mic	Unidirectional condenser microphone
Gain	0 to +39dB (Minimum gain with digital attenuation: –28dB)
Maximum Sound Pressure Level	120dB SPL
Mic / Line Input	1/8" stereo phone jack (Plug-in power supported)
Input impedance	2kΩ (Input level: 0 to –39dBm)
Phones / Line Output	1/8" stereo phone jack
Output Load Impedance	10kΩ or more
Rated Output Level	–10dBm
Phones Output Level	20mW + 20mW into 32Ω load
Built-in Speaker	400mW 8Ω
USB Interface	Mini-B type (USB2.0 High Speed compatible), Mass Storage Class operation
Power Requirements	LR6 / Ni-MH AA battery x 1, or AC adapter (AD-17, USB to AC type)
Battery Life	10 hours (MP3), 9.5 hours (WAV)
Dimensions	44(W) x 136(D) x 31(H) mm
Weight	60g (without batteries)

*0dBm=0.775Vrms

Maximum Recordable Time

REC Format	micro SD/SDHC Card Capacity				
	2GB	4GB	8GB	16GB	32GB
MP3 128kbps	34hrs 43min.	69hrs 26min.	138hrs 53min.	277hrs 46min.	555hrs 33min.
MP3 256kbps	17hrs 21min.	34hrs 43min.	69hrs 26min.	138hrs 53min.	277hrs 46min.
MP3 320kbps	13hrs 53min.	27hrs 46min.	55hrs 33min.	111hrs 06min.	222hrs 12min.
WAV 16bit/44.1kHz	3hr 08min.	6hrs 17min.	12hrs 35min.	25hrs 11min.	50hrs 23min.
WAV 24bit/48kHz	1hr 55min.	3hrs 51min.	7hrs 42min.	15hrs 25min.	30hrs 51min.
WAV 24bit/96kHz	57min.	1hr 55min.	3hrs 51min.	7hrs 42min.	15hrs 25min.

*Recording times are approximations. Actual times may differ according to recording conditions.
*The maximum file size is limited to 2GB.

Optional accessory package specifically for the H1

APH-1

The APH-1 package, which is sold separately, includes six additional accessories for the H1. The package includes a windscreen, a mic stand clip adapter, an adjustable desktop tripod, a soft case, an AC adapter (USB type) and a USB cable.

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