

## **nano 5th 5 generation GEN 8GB rock wheel shake song 1.3mp camera MP3 MP4 player**

### **Size and weight**

#### **Height:**

3.6 inches (90.7 mm)

#### **Width:**

2.2 inches (38.7 mm)

#### **Depth:**

0.24 inch (6.2 mm)

#### **Weight:**

1.28 ounces (36.4 grams)<sup>1</sup>



### **Capacity**

**8GB flash drive<sup>2</sup>**

**Holds up to 2,000 in 128-Kbps AAC format<sup>3</sup>**

**Holds up to 7,000 -viewable photos<sup>4</sup>**

**Holds up to 8 hours or 16 hours of video<sup>5</sup>**

**Stores data via USB flash drive**

### **Accessibility**

**Spoken menus allow listeners to hear many of the names of menus, song titles, and artists without viewing the screen.**

**An alternative large font can make menus easier to read.**

**A high-resolution LCD display with adjustable contrast and backlight settings makes it easier to read in low light.**

**Captions in video are displayed when they are present using a legible, high-contrast white-on-black font.**

### **Environmental requirements**

**Operating temperature: 32° to 95° F**

**(0° to 35° C)**

**Nonoperating temperature: -4° to 113° F**

**(-20° to 45° C)**

**Relative humidity: 5% to 95% noncondensing**

**Maximum operating altitude: 10,000 feet**

**(3000 m)**

### **Environmental Status Report**

**nano embodies 's continuing environmental progress. It is designed with the following features to reduce environmental impact:**

**Arsenic-free glass**

**BFR-free**  
**Mercury-free**  
**PVC-free**  
**Highly recyclable**  
**Display**  
**2.2-inch (diagonal) TFT display**  
**240-by-376-pixel resolution at 204 pixels per inch**



**VoiceOver Kit**  
**Chinese (Cantonese)**  
**Chinese (Mandarin)**  
**Czech**  
**Danish**  
**Dutch**  
**English**  
**Finnish**  
**French**  
**German**  
**Greek**  
**Italian**  
**Japanese**  
**Korean**  
**Norwegian**  
**Polish**  
**Portuguese**  
**Russian**  
**Spanish**  
**Swedish**  
**Turkish**

**Audio**  
**Frequency response: 20Hz to 20,000Hz**  
**Audio formats supported: AAC (8 to 320 Kbps), Protected AAC (from iTunes Store), HE-AAC, MP3 (8 to 320 Kbps), MP3 VBR, Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+), Lossless, AIFF, and WAV**  
**User-configurable maximum volume limit**

**Headphones**

**Earphones**

**Frequency response: 20Hz to 20,000Hz**

**Impedance: 32 ohms**

**Languages**

**Arabic, Brazilian Portuguese, Cantonese (Traditional Chinese), Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Turkish, and UK English**

**Additional language support for display of song, album, and artist information: Bulgarian, Serbian, Slovenian, Ukrainian, and Vietnamese**

**nano supports 20 VoiceOver languages:**

**Chinese (Cantonese), Chinese (Mandarin), Czech, Danish, Dutch, English (U.S.), Finnish, French, German, Greek, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, and Turkish; other languages are available with the purchase of a supported third-party text-to-speech engine**

**nano supports 20 spoken menu languages:**

**Chinese (Cantonese), Chinese (Mandarin), Czech, Danish, Dutch, English (U.S.), Finnish, French, German, Greek, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, and Turkish; other languages are available with the purchase of a supported third-party text-to-speech engine**

**In the box**

**nano**

**Earphones**

**USB 2.0 cable**

**Video Capture**

**H.264 VGA video, 640 by 480 pixels, up to 30 frames per second with AAC audio**

**15 real-time special effects: Sepia, Black and White, X-Ray, Film Grain, Thermal, Security Cam, Cyborg, Bulge, Kaleido, Motion Blur, Mirror, Light Tunnel, Dent, Stretch, and Twirl**

**H.264 video, up to 1.5 Mbps, 640 by 480 pixels, 30 frames per second, Low-Complexity version of the H.264 Baseline Profile with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; H.264 video, up to 2.5 Mbps, 640 by 480 pixels, 30 frames per second, Baseline Profile up to Level 3.0 with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; MPEG-4 video, up to 2.5 Mbps, 640 by 480 pixels, 30 frames per second, Simple Profile with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats**

**External buttons and controls**

**Hold switch**

**Click Wheel**

**Battery and power**

**Built-in rechargeable lithium-ion battery**

**Playback time**

**Music playback time: Up to 3 hours when fully charged**

**Video playback time: Up to 2hours when fully charged**

**Charging via USB to computer system or power adapter (sold separately)**

**Fast-charge time: about 1.5 hours (charges up to 80% of battery capacity)**

**Full-charge time: about 3 hours**

**colors**

**Silver , Black , Green , Blue , , orange , Pink , Purple , Red**

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