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Nokia N93

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The **Nokia N93** is a smartphone by Nokia especially designed for multimedia use. It was introduced in April 2006 and released in July 2006.

Nokia N93 (black and silver versions)

The N93 has improved camera capabilities compared with the earlier N90. The phone has a 3.2 megapixel camera, Carl Zeiss optics and 3x optical zoom as well as a 30 fps VGA-resolution MPEG-4 video recording capability. It was the most advanced camera phone from Nokia at the time of its release.

Features

- DVD-like video capture at 30 frames per second in the MPEG-4 format at VGA resolution[1]
- 3.2 MP camera with Carl Zeiss Vario Tessar optics and flash[1][2][3]
- 320 x 240 pixels, up to 262,144 colors 2.4” display[2]
- 3 times optical zoom / 20 times digital zoom[3]
- direct TV out connectivity[1]
- easy video creation and burning to DVD with Adobe Premiere Elements 2.0[1]
- digital image stabilization[3]
- close up mode[3]
- Visual Radio
- up to 50MB internal, 2GB mini SD card storage - 90 minutes of "DVD-like" video[3]
- Infrared and Bluetooth
- WLAN (b and g), 3G (WCDMA 2100 MHz), EDGE and GSM (900/1800/1900 MHz) networks[3][4]

Samsung - IPR2024-00906
Ex. 1072 - Page 1

- Java MIDP 2.0[2]
- Symbian application support[2]
- UPnP (Universal Plug and Play) support[4]
- Comes standard with a full Web browser (http://www.nokia.com/browser)
- Fully HW accelerated PowerVR 3D graphics from Imagination Technologies (including OpenGL ES 1.1 and M3G, see JBenchmark (http://www.jbenchmark.com/result.jsp))
- Push to Talk over Cellular (PoC)

Availability

The N93 started shipping on July 24th, 2006.

Versions

As well as coming in 2 colours, pearl black and silver, there will also be a Nokia N93 Golf Edition which is preloaded with Pro Session Golf software to help improve golf skills.Also there was a Mission: Impossible III edition which included a memory card preloaded with the movie and also a Mission: Impossible III theme.[5]

Popular culture

- In the skateboarding game Tony Hawks Project 8, the phone the player uses is a Nokia N93, and also one of the messages the player gets throughout the game is an advertisement for the golf instructional video.
- Musician Rob Dickinson shot the entire video for his single "Oceans" on a Nokia N93. [1] (http://www.nokia.com/A4136001?newsid=1088569)

Reviews

- All About Symbian N93 Review (part 1) (http://www.allaboutsymbian.com/reviews/item/Nokia_N93.php) - Covers multimedia aspects of the phone
- All About Symbian N93 Review (part 2) (http://www.allaboutsymbian.com/reviews/item/Nokia_N93_part_two-the_smartphone_the_summary.php) - Covers smartphone aspects, and summary

- All About Symbian N90 vs N93 (http://www.allaboutsymbian.com/features/item/Battle_of_the_camera_smartphones-Nokia_N90_vs_Nokia_N93.php)
- Mobile-review N93 review (http://www.mobile-review.com/review/nokia-n93-en.shtml)
- N93 reviews and specifications round up (http://feetup.org/wiki/NokiaN93)

External links

1. Series 60 website (http://www.s60.com/devices?dm_id=883)
2. nseries.com (http://www.nseries.com/nseries/v2/media/product/tech_specs/en-US/tech_specs_n93_en_US.html?lang=en&country=US)
3. Lets Go Digital (http://www.letsgodigital.org/en/news/articles/story_7512.html)
4. Nokia N93 Data Sheet (http://www.nokia.com/NOKIA_COM_1/Press/Press_Events/Nokia_Open_Studio/N93%20DataSheet.pdf)
5. Nokia golf edition (http://direct.nokia.com/N93/GB/main.html?cmp=BAC-Q264X6046505&ad_id=nokia_GB_small)

- Online copy of the N93 Manual (PDF) (http://nds1.nokia.com/phones/files/guides/Nokia_N93-1_UG_en.pdf)
- Nokia Nseries Social Media - N93 resource (http://www.womworld.com)
- N Series Talk (http://www.nseriestalk.com) Nokia N Series Forums and Community
- More on the graphics technology inside the N 93 and N95 (http://www.powervr.com)

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