

Nokia N90 Data Sheet



Planned Market Introduction:

Q2 2005

Mobile Phones Category:

Multimedia

Technical Profile:

System:	EGSM 900/1800/1900 + WCDMA 2100 GHz
User Interface:	Series 60 Platform
Dimensions:	112 x 51 x 24 mm (L x W x T)
Weight:	173 g
Standby time:	Up to 10 days
Talk time:	Up to 4.5 hours
Display:	352 x 416, 262,144 colors
Battery:	BL-5B, 760 mAh, Li-Ion

Key Features:

- Carl Zeiss optics
- Twist and shoot rotating camera concept and dedicated capture and zoom keys
- 2 megapixel camera with autofocus, macro, 20x digital zoom and flash
- High quality video capture in MP4 and 3GP formats with up to 8x digital zoom
- Two screens:
 - Main display (352 x 416 pixels), up to 262,144 colors
 - Cover display (128 x 128 pixels), up to 65,536 colors
- Video sharing and two-way video call
- Broadband speed with WCDMA or EDGE (up to 384 kbps)

Additional Features:

- Image editor, Video editor, Movie Director, Rotating Gallery, Nokia XpressPrint
- Email, organizer, RealMedia & 3GPP video streaming, Internet browser
- MP3 & AAC stereo music player
- Memory: 31 MB internal and 64 MB Reduced Size Dual Voltage MultiMediaCard (RS-MMC)

Data Services:

- WCDMA - Maximum download 384 kbps; upload 128 kbps
- EGPRS (Class B, Multislot class 10) - Maximum download 236.8 kbps; upload 118.4 kbps

Connector:

Pop-Port™ with USB
Bluetooth wireless technology

Camera:

Sensor:	CMOS 2 Megapixel
F number/Aperture:	f/2.9
Focal length:	5.5mm (35mm equivalent 35mm)
Focus range:	10 cm to infinity
Still image resolutions:	1600 x 1200, 800 x 600, 640 x 480
Still images file format:	EXIF (JPEG), *.jpg
Video resolutions:	352 x 288 up to 15 frames per second
Video clip length:	Up to 30 seconds in short or Up to 1 hour in maximum mode
Video file format:	MP4 (MPEG-4 video, 16 KHz AAC-LC audio), 3GPP, *.3gp
Exposure:	Automatic, Manual EV correction ± 2.0
White balance:	Auto, daylight, tungsten, fluorescent, cloudy
Colors:	16.7 million / 24-bit
Color tones:	Normal, sepia, black & white, negative
Capture modes:	Normal, self-timer, sequence
Scene settings:	Auto, user, close-up, portrait, landscape, night, sports

Original Enhancements:

Messaging:	Wireless Keyboard SU-8W
Car Solutions:	Wireless Plug-in Car Handsfree HF-6W
Wireless Headsets:	Wireless Boom Headset HS-4W

Inbox colors available:

Pearl Black, Light Blue

Copyright © 2004 Nokia. All rights reserved. Nokia and Nokia Connecting People are registered trademarks of Nokia Corporation. Bluetooth is a registered trademark of Bluetooth SIG, Inc. Other product and company names mentioned herein may be trademarks or tradenames of their respective owners.

Specifications are subject to change without notice. The availability of particular products may vary by region. Variation in operation times will occur depending on SIM card, network and usage settings, usage style and environments. Services and some features may be dependent on the network and/or SIM card as well as on the compatibility of the devices used and the content formats supported.

NOKIA
Nseries