



Nokia N86 8MP Data Sheet

Planned Market Introduction

- Q2 2009
- Category**
- Explore

Nokia Nseries Experiences

Imaging:

- Capture high quality pictures and videos with the wide-angle, 8 MP Carl Zeiss Tessar optics
- Excellent pictures in challenging low and bright light conditions due to variable, large aperture
- Upload and share pictures and videos to Ovi Share or 3rd party services directly to the web
- Organize photos by albums and tags, and synchronize with PC

Design:

- Premium design with authentic materials and crafted details including scratch resistant hardened glass front face, surrounded by prestige metal details

Internet:

- Share your presence with location, chat and manage your contact network with Ovi Contacts
- Pre-plan routes and sync between device and PC with Ovi Maps
- Browse and purchase songs online from the Nokia Music Store and enjoy great music with built-in 3D stereo speakers or integrated FM transmitter

Entertainment:

- Stunning and vibrant 2.6 inch AM OLED display adds a new dimension to photos and videos
- Kick stand and dual slide automatically launch your favorite application or game
- Play more and longer with 8 GB internal memory, world-class game titles with N-Gage™, up to 25 hours music playback or up to 7 hours of video or gaming

Maps and Navigation:

- Assisted GPS (A-GPS) and digital compass provide fast and accurate location information
- Drive: voice guided car navigation, or Walk: pedestrian-optimized turn-by-turn guidance with Nokia Maps 3.0
- Share, plan and sync favorite places and routes between device and PC

Technical Profile

System:

WCDMA 900/1900/2100 (HSDPA) and EGSM 850/900/1800/1900, WLAN WCDMA 850/1900/2100 (HSDPA) and GSM 850/900/1800/1900, WLAN WCDMA 900/1900/2100 (HSDPA) and EGSM 850/900/1800/1900

User interface:

S60 3rd Edition, Feature Pack 2

Dimensions:

103.4 x 51.4 x 16.5 mm (L x W x H)

Weight:

149 g

Display:

AM OLED 2.6 inch QVGA (240 x 320 pixels) with up to 16 million colors

Battery:

Nokia battery BL-5K, 1200 mAh

Media

Memory:

8 GB internal flash memory
Supports up to 16 GB microSD card
Up to 74 MB internal dynamic memory

Video playback:

MPEG-4, AVC (H.264), WMV, Flash Video, 3GPP (H.263), RealVideo
Up to VGA resolution

Music playback:

MP3, WMA, AAC, AAC+, eAAC, eAAC+

Main Camera

Lens:

Carl Zeiss Tessar™

Image capture:

Up to 8 megapixels (3280 x 2464)
JPEG/EXIF (16.7 million/24-bit color)

Image sensor:

8 megapixels, 1.75 micron pixels

Video capture:

MPEG-4 VGA (640 x 480) at up to 30 fps

Aperture:

F2.4/3.2/4.8 (automatic aperture control)

Shutter:

Mechanical shutter, speeds up to 1/1,000 sec

Focal length:

4.61 mm (28 mm, equivalent to 35 mm)

Flash:

3rd generation dual LED camera flash (up to 3.5 m) and video light

Operating Times

Talk time:

Up to 3.9 h (3G), 6.3 h (GSM)

Standby time:

Up to 11.5 days (3G), 13 days (GSM)

Video call:

Up to 2.5 hours

Video playback:

Up to 7 hours (QVGA, 30 fps)

Music playback:

Up to 25 hours (offline mode)

Connectivity & Data Services

- WLAN IEEE 802.11b/g with UPnP support
- MicroUSB connector, Hi-Speed USB 2.0
- 3.5 mm stereo headphone plug and TV-out support (PAL/NTSC)
- Bluetooth Specification 2.0 and Bluetooth stereo audio support
- GPS receiver with support for assisted GPS (A-GPS)