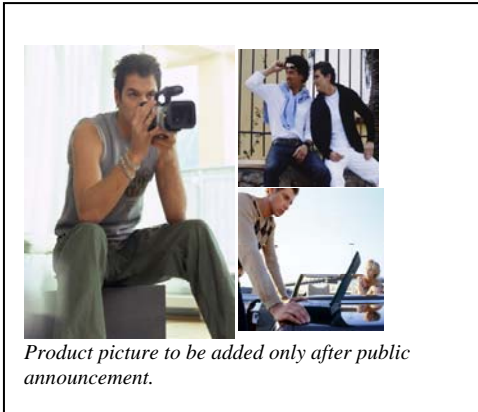


Positioning Statement : "Music player meets camera meets smartphone"



Key Selling Points:

My Music – Play your music collection easily with the music keys on the cover. Synchronize both ways with Windows Media Player and get the music you want, more choices! Enjoy excellent 3D stereo sound quality.

My Entertainment – Easy access to great mobile entertainment experiences! Instant access to Cingular Mobile Services like Cingular Video on-demand streaming, mobitv and mobiradio. Rich full screen MPEG-4 video with excellent stereo sound.

My Connected Life – Browse what you like with the new Nokia Web Browser. Connect with eBay service or share your pictures on the web. Check your emails on the go!

Technical Data:

DIMENSIONS (with BL-5BT battery)

- Volume: 93 cc
- Weight: 123.5 g
- Dimensions:(max) 52 x 95 x 20.2 mm

KEY FEATURES

MUSIC – Hear New

- Digital music player : supports MP3/M4A/AAC/eAAC+/WMA with playlists and equalizer.
- **Dedicated music keys in cover UI**
- OMA DRM 1.0 support for music.
- Stereo FM radio (87.5-108MHz /76-90MHz)
- Stereo handsfree speakers with 3D audio
- Inbox 3.5mm stereo headset adapter with integrated microphone and send/end/volume control
- Nokia Stereo Headset HS-28

IMAGING – See New Capture

Camera

- Sensor : CMOS, 2 megapixel (1600x1200 pixels)
- F number/Aperture Toshiba: F2.8
- Focal length Toshiba: 4.4 mm
- Focus range Toshiba 30 cm to infinity

Photo

- Still Image resolutions VGA (640x480), 1 megapixel (1152x864), 2 megapixel (1600 x 1200)
- Still image file format JPEG/EXIF
- Fixed focus
- Exposure compensation +2 ~ -2EV at 0.33 step
- White balance Automatic, Daylight, Tungsten, Fluorescent
- Scene Auto, User defined, Portrait, Landscape, Night, Night Portrait
- Colour tone Normal, Sepia, B&W, Negative
- Zoom (digital) up to 16x

Video

- Video resolution QCIF (176x144), CIF (352x288)
- Audio recording AAC-LC
- Video file format MPEG-4, 3GPP
- White balance Automatic, Daylight, Tungsten, Fluorescent
- Scene Normal, Night
- Colour tone Normal, Sepia, B&W, Negative
- Zoom (digital) up to 8x

Other camera features

- Integrated flash LED

Edit

- On device photo editor and video editor (manual & automatic).

View

- Bright 2.4" QVGA (240 x 320 pixels) colour display with up to 16 million colours. Ambient light detector - used to optimize display brightness and power consumption
 - Display brightness up to 230 Cd/m2
 - Display capable of 24 bit / up to 16 million colours
 - Slideshow from gallery
- Cover-display – 1.36" colour display (160x128) up to 262144 colours.
 - Display brightness up to 100 Cd/m2

Share

- Nokia XpressShare - share effortlessly from gallery or after capture via email, Bluetooth connectivity, MMS or IrDA.
- Online album : image/video uploading from gallery

Print

- Nokia XpressPrint – direct printing via USB (PictBridge) and Bluetooth connectivity (BPP), from a compatible memory card or via online printing.

Store

- Nokia XpressTransfer – easy to transfer and organize photos and video between your device and compatible PC.
- Comes with Adobe Photoshop Album 3.0 Starter Edition.
- Nokia Lifeblog

MEDIA – Watch New

- Stream media files from compatible media portals

- Formats: H263, H264/ AVC
- True web experience with Nokia Web Browser (HTML)

PRODUCTIVITY – Do New

- **Messaging**
 - E-mail (SMTP, IMAP4, POP3), MMS, SMS
- **Office applications**
 - Supports viewing of common email attachments – Microsoft Word, Excel and PowerPoint, PDF, ZIP
- **PIM (Personal Information management)**
 - Contacts, Calendar, To-do, Notes, Recorder, Calculator, Clock, Converter
- **Synchronization**
 - *Local/Remote (using SyncML)*
 - Data: Calendar, Contacts, To-do, Notes, E-mail
 - PC Applications: Microsoft Outlook (98, 2000, 2002, 2003), Outlook Express, Lotus Organizer (5.0, 6.0), Lotus Notes (5.0, 6.0)
- **Call management**
 - Call logs, speed dial, voice dialling (with SIND) and voice commands

CONNECTIVITY

- Pop-Port™ interface with USB 2.0
- Bluetooth wireless technology 2.0
- Infrared

ADD-ON SOFTWARE

- Operating system: Symbian OS v9.1
- User interface: S60 3rd edition
- Java™ : MIDP2.0
- C++ and Java SDKs

Additional Technical specs

- Vibrating alert
- 3GPP Release 4 compliant
- Quad band: WCDMA850/1900, GSM 850/900/1800/1900 MHz
- Speech codecs supported: AMR/FR/EFR
- WCDMA 850/1900 with simultaneous voice and packet data (PS max speed DL/UL= 384/384kbps, CS max speed 64kbps)
- Multi slot class 11, max speed DL/UL: 177.6/118.4 kbits/s
- EGPRS class B, multi slot class 11, (4 Rx + 3 Tx / Max Sum 5), max speed DL/UL= 236.8 / 177.6 kbits/s.
- GPRS class B, multi slot class 11 (4 Rx + 3 Tx / Max Sum 5), max speed DL/UL= 85.6 / 64.2 kbits/s.

ENHANCEMENTS

- **Power**
 - Battery (BL-5BT) 800mAh
 - Nokia Travel Charger (AC-4)
 - Nokia Travel Charger (AC-5)
 - Nokia Compact Charger (AC-3)
 - Nokia Charging Adapter (CA-44)
- **Music**
 - Nokia Music stand (MD-1)
 - Nokia Active Music Headphone (HS-62)
 - Nokia Music Headphone (HS-61)
- **Audio**
 - Nokia Headsets (HS-20, HS-28, HS-23, HS-31, HS-5, HS-29)
 - Nokia Wireless and Bluetooth Headsets (HS-21W, HS-24W, HS-25W, HS-26W, HS-36W, HS-50W, HS-51W, HS-57W, HS-58W, HS-59W)
 - Nokia Inductive Loopset (LPS-4)
 - Nokia Audio Adapter (AD-41, AD-46, AD-15, AD-45)
- **Data**
 - Nokia Connectivity Cable (CA-53)
 - Nokia Charging Data cable (CA-70)
 - Nokia TTY Adapter (HDA-10) – US market only

- Nokia Wireless GPS Module (LD-3W)
- Nokia Micro-SD cards (128MB - MU-26, 256MB - MU-27, 512MB - MU-28, 1 GB - MU-22, 2GB MU-37)
- **Carrying**
 - Nokia Protective pouch (CL-1)
 - Nokia Wrist Strap (CP-134)
 - Nokia Carrying case (CP-108, CP-109, CP-110)
- **Messaging**
 - Nokia Digital Pen (SU-27W)
- **Car**
 - Nokia Universal Holder (CR-39) – Fold closed only
 - Nokia Mobile Charger (DC-4)
 - Nokia Wireless Plug-in Car Handsfree (HF-6W, HF-33W)
 - Nokia Wireless Car Kits (CK-7W, CK-20W)
 - Nokia Navigation pack (LD-2)

Operating Times*

- ECTEL Talk time: 132 min(WCDMA)/ 250 min(GSM)
- ECTEL Standby: 200 Hours (WCDMA & GSM)
- Still Images : over 3000 pictures (2 megapixel, flash off)
- Video capture up to 120 min (CIF, 15fps)
- Video playback up to 266 min (CIF, 15fps)
- Music playback up to 9,5 hours (offline mode)

*Operation times may vary depending on radio access technology used, operator network configuration and usage.

Charging Time

- Charging (AC-4) 1h 40min

Memory

- Up to 40 megabytes on-board free user memory (up to 20 megabytes used for pre-installed applications)
- Up to 19 megabytes on board free RAM
- microSD memory card support (hot swappable), up to 2GB
- Approx. memory capacity indication with 1GB microSD card
 - Video (CIF @ 15fps): up to 250 min
 - Photos (2 megapixel): up to 2500 photos
 - Music-mp3 (128Kb/s, 3:45): up to 277 songs
 - Music-eAAC+ (64Kb/s, 3:45): up to 555 songs
 - Music-eAAC+ (32kb/s, 3:45): up to 1110 songs

Inbox colours available :

- Chocolate Black

NOTE: In case this document is used as a source for making printed material, please contact the document owner for latest version. Changes to the specification are possible without prior notice. Specification of variants sold in certain markets may vary.