

nano|sec[®] **C3000**

Inbook Passport Printer



The nano|sec[®] C3000 is a six-color high secure inkjet printer for machine readable passport booklets based on innovative print technology by Hewlett Packard.

Due to its smart clamping mechanism, passport booklets with up to 100 pages can be processed.
Each single page can get its individual print face, visa-, observation page et cetera.
The **C3000** prints two pages (for instance: page 2 & 3) at once.
Versatile including many standard features the **C3000** fits perfect into passport office environments.

Enhanced security on personalization and passport issuing with consistently low costs of ownership – featured by the nano|sec[®] C3000

tabletop print engine for
decentralized (office) operations

data sheet

nano|sec[®]

reliable • flexible • economical

nano|sec® C3000

Inbook Passport Printer

Enhanced System Security and Quality

nano|sec not only provides plain printing technology to its customers but sets world class standards when it comes to printing quality versus speed and security features in order to guarantee an ideal solution for customer tailored personalization environment.

System Performance

- **Multiple Pass Printing in one operation**
(Booklet stays clamped between passes)
 - 1st Pass: Black Text
 - 2nd Pass: MRZ
 - 3rd Pass: Color Image
 - 4th Pass: Invisible UV Colors

Advantages:

- Individual Driver Settings for Color, Black & UV
 - Individual Visual Registration of Text and MRZ
 - Superior MRZ Quality
 - Less Ink Consumption
 - Faster Drying
- **High Quality Printing**
Less than 40 seconds for high quality passport personalization, including passport insertion and retrieval.

High Security

- High speed USB 2.0 connection to a PC
- Prohibiting unauthorized usage of the printer, by printer drivers in combination with the application software
- Data can be automatically copied from a former passport or ID document (if a document reader is attached)
- Printing will be only enabled after successful verification of traveler's former document or legally issued application form

UV Colors

- Printing invisible UV colors to the visible colors simultaneously
- Enhanced security on personalization and passport issuing
- Wide range of UV colors, visible under UV light wave range of 254 or 365 nm only
- Invisible UV color ghost image
- 3 colors UV ghost image
- Printed data page in UV colors

Visible Inks: cyan, magenta, yellow, black (others on request).

Invisible Inks: UV blue or UV red (others on request).

Feature Highlights

Working with the **nano|sec C3000** is especially enjoyable and economical because of the following high innovative features:

- **RFID Reader and Writer** to read and write data to a RFID chip according ICAO recommendations
- **Camera System** to print holder's data to a pre-printed form
- **UV color printing** for enhanced security on personalization and passport issuing
- **Easy exchange** of ink cartridges
- **No drying out of heads** after not using the printer for some days
- **Thick passport** are easy to print (up to 100 pages)
- **Passport transport without rubber rollers** - no maintenance needed

Technical Data

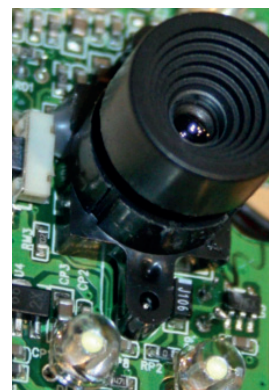
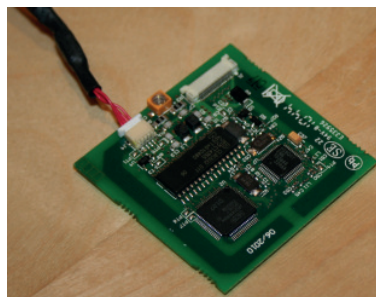
- Print Technology: 6 Color Thermal Ink-Jet Printing
- Printing Resolution: Up to 4800 dpi
- Printer Driver: Windows 2000, XP, Vista, Windows 7 (32Bit & 64Bit)
- Supported Client Operating System: Windows 2000, XP, Vista, Windows 7 (32Bit & 64Bit)
- Printer Language: HP PCL Level 3 Enhanced
- Ink Cartridge 1 - Visible Inks: Cyan, Magenta, Yellow, Document Black (IR - reflective)
- Ink Cartridge 2: (Standard - Visible Inks)
- Ink Cartridge 2: (opt: Visible & Invisible Inks) UV Blue or UV Red - visible under UV light 254 nm or 365 nm (others on request) & Document Black (IR - reflective)
- Media – Machine Readable Passbook: Up to 100 Pages
- Interface: High Speed USB 2.0 (USB 1.1 compatible)
- Net Dimensions: 455 mm x 365 mm x 165 mm
- Net Weight: 15 Kg
- Power Consumption: 2 W max. when off
4 W average when idle
30 W average when printing
- Operating Environment: 15°C to 35°C (59°F to 95°F), 20% to 80% Humidity
- Storage Environment: -20°C to 70°C (-4°F to 158°F) 5% to 85% relative Humidity
- Noise Level (ISO 9296): 5.3 B(A) Best Mode LwAd
39.6 db (A)
Sound Pressure LpAm

Specifications are subject to change without notice.

Optional Features

- **RFID Reader and Writer**
The **C3000** Passport Printer comes with an optional RFID Reader/Writer to read and write data to a RFID chip according ICAO recommendations.
- **Camera System**
The optional Camera System provides visual registration of the printed data into a pre-printed legend and enables the printer to position the MRZ according to ICAO specifications against the paper edge. With the Camera visual data, like passport numbers, images etc., can be retrieved from the document.

RFID Reader and Writer



Camera System

reliable • flexible • economical