

C3000 PassPrinter for e-Passports



The **C3000** is a six-color high secure inkjet printer for machine readable passports based on innovative print technology by HP. Passport booklets with up to 100 pages can be processed. Each single page can get its individual print. Versatile including many standard features the C3000 fits perfectly into passport office environments.

High Security

With its high speed USB 2.0 connection the C3000 can be connected to a document reader via PC. In this combination basic data can be automatically copied from a former passport or ID document. Printing is possible after successful verification of traveler's former document or legally issued application form, only.

UV Colors

Outstanding with the C3000 is its ability of printing invisible UV colors to the visible colors simultaneously. This advantage features enhanced security on personalization and passport issuing. The C3000 offers a wide range of UV colors, visible under UV light wave range of 254 or 365 nm only. Various ink/print combinations like visible and invisible UV color ghost image, printed data page in UV colors, full color UV ghost photo et cetera, are possible.

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

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

Infrared Ink: on request

Printing system – designed to save ink and money

Some printer manufacturers claim that systems with tri-color cartridges waste ink as the whole cartridge needs to be replaced when a particular color runs out; whereas in individual-cartridge systems only the ink that has run out needs to be replaced.

In fact, efficient ink usage is not about the type of cartridge (individual or tri-color) but rather about the design and performance of the printing system.

To demonstrate the point, HP commissioned independent research. The research shows that tested against comparable HP tri-color-cartridge printers, competing-brand printers with individual ink cartridges used twice as much ink to print the same number of pages! With their efficient design, HP printers print up to twice as many high-quality pages using the same amount of ink as competing printers with individual ink cartridges. Clearly, printers with individual ink cartridges for each color are not inherently more efficient than printers with tri-color cartridges.

OPTIONS

RFID Reader and Writer	The C3000 can be delivered with RFID Reader and Writer to read and write data to an RFID chip according to ICAO recommendations.
Camera System	The Camera System enables to print holder's data to a pre-printed form (layout alignment). Camera can retrieve information like passport number from the document (OCR).

SPECIFICATIONS

Print Technology	6 Color Thermal Ink-Jet Printing
Printing Resolution	Up to 4800 dpi
Printer Driver	Windows 2000, XP, Vista, Windows 7 32 bit (Windows 7 64 bit under development)
Supported Client Operating System	Windows 2000, XP, Vista, Windows 7 32 bit (Windows 7 64 bit under development), Mac OS X
Printer Language	HP PCL Level 3 Enhanced
Ink Cartridges	2
Ink Cartridge 1 – Visible Inks	Cyan, Magenta, Yellow (others on request)
Ink Cartridge 2 – Visible and Invisible Inks (visible under UV light 254 nm or 365 nm only)	Black Optionally in addition: - UV blue and/or UV red (others on request) - IR (on request)
Media	Up to 100 Pages
Interface	High Speed USB 2.0 (USB 1.1 compatible) Ethernet (optional)
Net Dimensions (WxHxD)	480 x 190 x 460 mm
Net Weight	15.0 kg
Power Consumption	2 W max. when off 4 W average when idle 30 W average when printing
Input Voltage	110 V - 230 V AC, 50 Hz - 60 Hz
Operating Environment	15°C to 35°C (59°F to 95°F) 20% to 80% Humidity
Storage Conditions	-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