



Rogue DNA 4020 Entry/Exit Stamp Printer

The introduction of ePassports has led to both a problem and an opportunity. The problem is that lab tests have shown that repeated hitting with a traditional handheld entry/exit stamp can fracture the connection between the chip and aerial. The opportunity is that by making the stamp printing an integral part of the border control system, a number of new security tracking capabilities become available.

The Rogue DNA 4020 entry/exit stamp printer overcomes the electro-conductive glue-breaking problem, and opens up the opportunity for improved visitor tracking. Designed to be used by individual immigration officers, the design of the 4020 recognizes the scarcity of space on the officer's desk by occupying the smallest possible footprint – just 7" x 7" (180mm x 180mm). Use of an Inkjet print mechanism provides a non-impact approach which protects the chip. Because printing the stamp is an integral part of the system, an accurate record is maintained of date and time of entry/exit, the officer in charge, and any other information that could be benefit in the future. Selected details can be combined, encrypted, and printed back on the passport as part of the stamp. This enables tampered stamps to be detected and complete record details to be subsequently recovered by entering the encrypted string. Security inks can be combined with the visible ink to add further security to the stamp.



4020 Entry/Exit
Stamp Printer

of

Printing entry/exit stamps is an unusual application in that it involves printing on a document which may already have been randomly printed on. The 4020 system includes a software program which allows the officer to select the location and orientation of the stamp.

The 4020 is the smallest passport stamp printer available. With a footprint of 7" x 7" (180mm x 180mm), it minimizes the space required on an immigration officer's desk. Key features are as follows:

- Stamp location decided by officer
- Semi-automatic self-loading feed mechanism ensures easy passport loading
- LED's indicate modes of operation, paper situation, ink conditions, and printer status
- USB 2.0 interface
- One-button setup configuration makes installation straightforward
- UV ink can be added to the selected colour to increase security further
- Cartridges can be locked to the user

Technical Data

Rogue DNA 4020 Entry/Exit Stamp Printer

Dimensions	7" (180mm) wide x 7"(180mm) deep x 6.8"(174mm) high
Power Requirements	Input voltage 100 – 240 VAC (+/- 10%) Input frequency 50 – 60hz (+/- 3hz) Power consumption 15W at 24V wall mount
Print mechanism	Inkjet cartridge
Ink Cartridge	Visible inks – single colour + optional mixed UV
Maximum stamp size	~ 2.75" (82mm) x 1.75" (52mm)
Noise level	49dB
Software (under Windows XP)	Application to define print location of entry/exit stamp
Interface	2.0
Driver	Windows XP
Environmental	10° to 40°C, humidity 10-90% non-condensing
Agency listings	FCC Class B, C CSA US

The 4020 is part of the Rogue DNA 4100 Series of specialist printers. The 4110 and 4130 booklet printers are front-loading units designed to print passports and visas in multiple inks, including UV and IR. The 4130 incorporates a camera/scanner which automates this process by positioning the content against a predefined template, and checking the UV content after printing. Both the 4110 and 4130 are designed for desktop use.

Rogue DNA printers are part of a suite of border control products which include the smallest passport scanners in the world, the brightest UV lights in the world, customized enrolment kiosks, automated border control gates (eGates), and complete consular passport/visa printing systems.

N.B. The above specifications are subject to change without notice
To find out more contact info@rogueDNA.com