



## Rogue DNA 4100 Series Passport/Visa Printers

The 4110 and 4130 printers are specifically designed to print in-book. The booklet is fed in via a front-loading feeder tray. Once sensors detect that it's correctly positioned the tray is drawn into the printer where a second set of sensors ensure that it's precisely in place. The printer includes an optional software application which can print the personal details page, a visa, or an entry/exit stamp. Print options include the ability to use ultra-violet inks as well as visible colours. Two separate UV inks can be printed simultaneously if required. If the booklet is an electronic passport an optional RFID writer can save the personal details on the chip. This conforms to ICAO standards. The feeder tray has been designed to accommodate a thickness of up to 100 pages so a visa or entry/exit stamp can be printed on any page. The time to print a data page depends on resolution but can take less than 20 seconds



4110 Series Printer

Once the page has been printed the tray and booklet are ejected. While this is happening an optional UV light can illuminate the booklet so that a visual check can be made that the content has been printed correctly. A Plexiglas panel is incorporated to enable this.

The printer can be fitted with a camera system (this is the 4130 model) which enables personal data to be printed exactly in the right position relative to preprinted text on the page. It does this by matching the actual position of the preprinted content against a standard template. The printing location can then be adjusted to reflect any variance.

The 4130 printer also has the ability to automatically verify that the personalized data was printed correctly. The camera reads the page after it has been printed, and matches the content against a template. It matches the printed content (both visible and UV) against the standard for the passport in question. If the actual content doesn't match this is immediately notified to the operator, who can check the ink and alignment levels to ensure that the passport can be reprinted correctly. This provides the best possible quality assurance.



4130 Series Printer

The printer has a USB2 connection and can be connected to a Document Reader. In this combination basic data can be automatically copied from a previous passport or ID document. Printing is only possible after successful verification of the traveler's previous document or legally issued application form.

At each stage the current status is displayed on an LCD screen.

# Rogue DNA 4110/4130 In-Book Printing System

## Passports, Visas, Entry/Exit Stamps

### Technical Data

Document feed	Front-loading feeder tray
Dimensions	470mm (18.5") long x 360mm (14") deep x 178mm (7") high
Power Requirements	
Input voltage	100 – 240 VAC (+/- 10%)
Input frequency	50 – 60hz (+/- 3hz)
Power	32W operational, 4W standby
Printer Status Notification	LCD display
Maximum resolution	4800 x 1200 dpi with 16.7 million colours
Regulations	CE Marking, ENERGY STAR compliant
Environmental	Temperature (Operating) 15° to 35° C (59° to 95 ° F) Relative humidity (Operating) 20° to 80°
Noise level	<40 dB
Interface	USB-2 Bit rate 480Mbit/s Recommended cable length 2.5m
Software (under Windows XP)	Optional application to print passports/ visas & entry/exit stamps
Ink Cartridges	Capacity 500+ pages Security controlled Cartridge 1 - visible inks C, M, Y Cartridge 2 - invisible inks plus K, with UV Blue, UV Green, or UV Red; IR (Green, Red, or Yellow)
Options:	
	Optional Integrated UV/Blue light bar (to visually verify UV printing)
	Optional Integrated camera system for automatic alignment with preprinted content
	Optional Integrated static scanner for automatic Quality Assurance (4130 model)
	Optional Integrated RFID read/write module (ICAO standard)

N.B. The above specifications are subject to change without notice  
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