

E-PASSPORT  
PERSONALIZATION  
PRINTER

**MATICA**  
TECHNOLOGIES



P101i





# P101i

## E-PASSPORT PERSONALIZATION PRINTER

The P101i is a six-color high secure inkjet printer for machine readable travel documents dedicated especially for ePassport & Visa issuance. Based on OEM printing technology by Hewlett Packard it can easily process passports with up to 100 pages. Each single page can get its individual print face, Visa, observation page, etc. The versatile P101i including many standard features fits perfectly into passport office environments.

### HIGH SECURITY

An outstanding feature of the P101i Passport Printer is its ability of printing invisible UV colors to the visible colors simultaneously. This advantage features enhanced security on personalization and passport issuing. Matica 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 etc, 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 & 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.

### OPTIONAL FEATURES:

#### RFID READER & WRITER

The P101i Passport Printer comes with a RFID Reader and Writer to read and write data to a RFID chip according to ICAO recommendations.

#### CAMERA SYSTEM

The Camera System enables to print holder's data to a pre-printed form. The camera can retrieve information such as passport number from the document.

## TECHNICAL SPECIFICATIONS

### Throughput

Up to 80 passport pages per hour depending on printing mode selected and with RFID & Camera System disabled

### Printing Technology

6 Color Thermal Ink-Jet Printing

### Printing Resolution

Up to 4800 dpi

### Printer Driver:

Windows XP, 7, 8

### Printer Language

HP PCL Level 3 Enhanced

### Ink Cartridge 1- Visible Ink

Cyan, Magenta, Yellow, Black (others on request)

### Ink Cartridge 2- Invisible Ink

UV Blue or UV Red (others on request)

Visible under UV light 254 nm or 365 nm only: IR (on request)

### Media – Machine Readable Passbook

Up to 100 pages

### Interface

High Speed USB 2.0

### Dimensions & Weight

L x W x H: 47 x 47 x 20 cm

Weight: 15 kg

### Power Consumption

2 W max. when off

4 W average when idle

30 W average when printing

### Electrical Requirements

Power supply: 100 to 230 VAC (+/- 10%); 50/60 Hz (+/- 3 Hz)

### Operating Environment

15°C to 35°C (59°F to 95°F)

20% to 80% RH

### Storage Environment

-20°C to 70°C (-4°F to 158°F)

5% to 85 % RH

### Noise Level (ISO 9296)

5.3 B(A) Best Mode LwAd

39.6 db (A) Sound Pressure LpAm