



The next generation of passports

Passports are the securest means of verifying a person's identity; they certify the holder's identity and nationality, entitling them to cross foreign borders under their protection. As a travel document, passports must adhere to stringent regulations, notably the standards set up by the International Civil Aviation Organization (ICAO). IDEMIA works alongside the ICAO to help define biometric passport standards.

We live in a globalized world where the number of international (or cross-border) travelers is growing. This increase may create challenges for airports and local border authorities. They would need to reinforce security, reduce waiting times and streamline the passenger experience.

IDEMIA's security concept to create fraud-resistant ID documents

The creation of an identity document starts with a thorough threat assessment to ascertain country-specific risks. IDEMIA then establishes a security concept that mitigates these risks. Considering the aim to reduce waiting times and streamline passenger experiences, it is essential to ensure that ID documents can be easily inspected both face-to-face and remotely, by people of all knowledge levels.

IDEMIA's three main pillars



Portrait Protection

It is fundamental to protect the portrait as it is the main link between the document and its holder.



Data Interlinking

To make forgery almost impossible, personal data must be interlinked using different personalization techniques.



Optical Machine Authentication

Machines enable quick, accurate and reliable checks.

IDSecurity Concept  *Hard to reproduce,
Easy to inspect*

Design at the service of security

A passport is a representation of a country's identity. Its design must be attractive and showcase the national colors, emblems and illustrations to make each country's passport unique.

Security is integral to the passport's design process. Designers have a variety of security features to express a nation's identity:

- › Paper features: watermarks, security fibers, etc.
- › Security printing techniques: fiducial offset and screen printing, intaglio to create intricate designs that are hard to reproduce
- › Specific inks: OVI, UV, etc.
- › Holograms

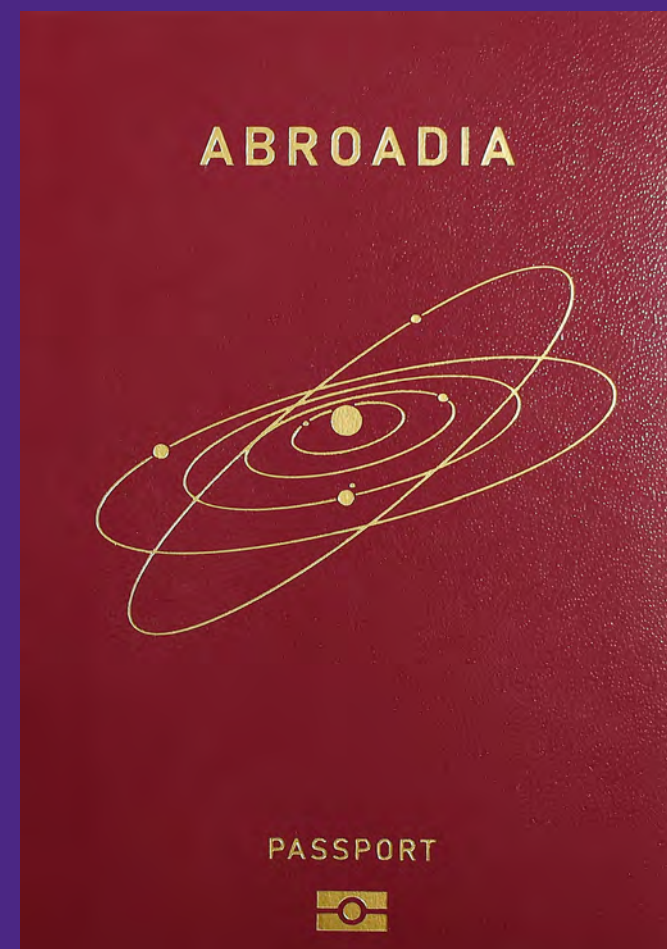
IDEMIA has extensive expertise in designing and producing national ID documents. Our teams work closely with ID issuance authorities to create a work of art that every citizen can be proud of. The creative process consists of several meetings with our clients, comprehensive research to truly understand the country's cultural heritage, and deep discussions about the tailor-made design elements. IDEMIA's goal is to create unique and modern designs adapted to ID documents that are valid for up to ten years.

The passport of Abroadia

Space exploration, galactic flights, visiting Mars — all this is happening now!

For IDEMIA, the universe and all things related to it is an unlimited source of inspiration. Pioneering technologies and innovations have guided us in the creation of our state-of-the-art passport.

Navigate through this document to explore IDEMIA's extraordinary passport.



COVERS (FRONT AND BACK)

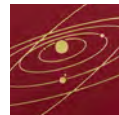
In normal light



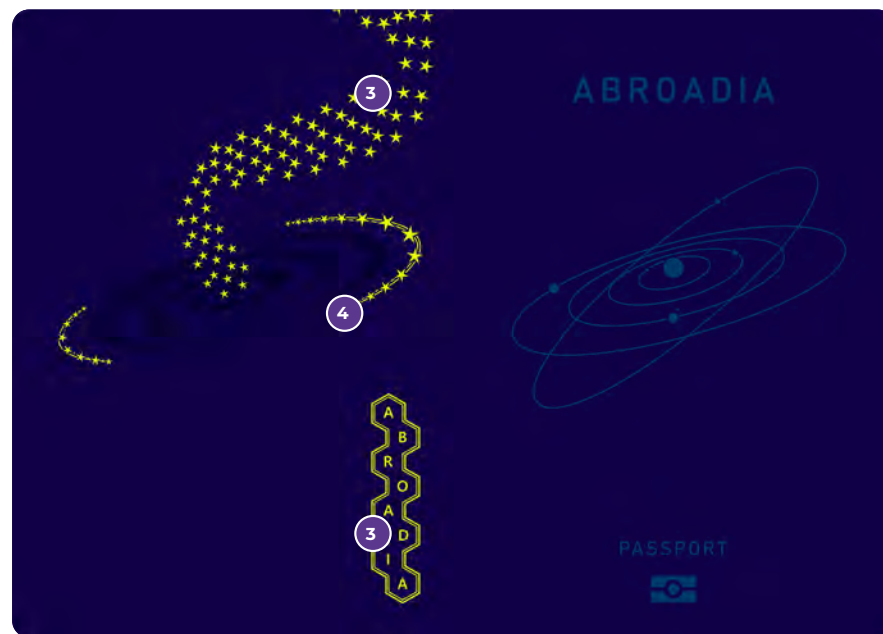
BACK

FRONT

- 1 The galaxy is blind embossed.
- 2 The following elements are gold foil embossed:
 - › Texts: ABROADIA and PASSPORT
 - › The galaxy image
 - › The chip inside symbol



In UV light



BACK

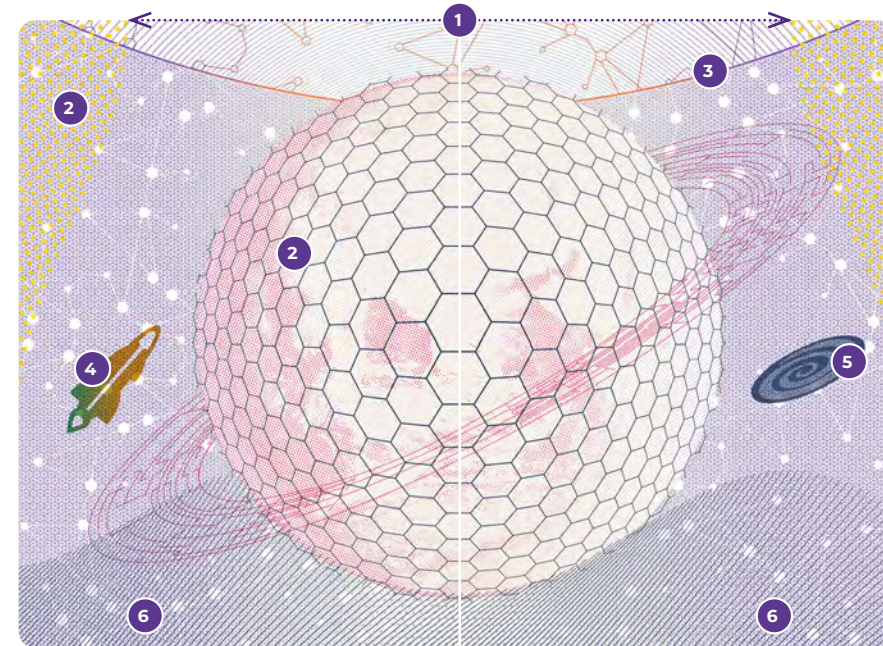
FRONT

- 3 The star formation and the ABROADIA text appear in fluorescent yellow.
- 4 The ring of fluorescent yellow stars is perfectly registered to the embossing of the galaxy on the back cover.

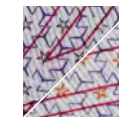


END PAGES (FRONT AND BACK)

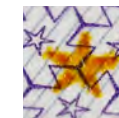
In normal light



- 1 The constellation is rainbow printed (purple/orange/purple).



- 2 The yellow stars and the shell around the planet are intaglio printed. You can see the overthickness from a grazing view and feel the tactile effects.



- 3 Positive and negative text ABROADIA



- 4 When tilted the OVI (Optically Variable Ink) spaceship changes color from gold to green.



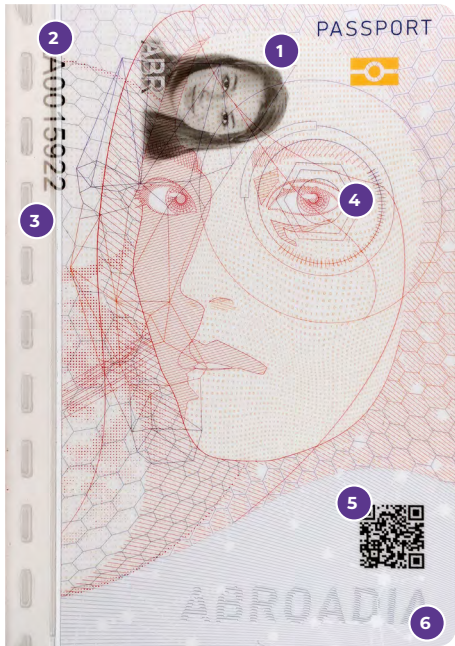
- 5 A double latent image in intaglio represents the letter A or a galaxy, depending on the angle of view.



- 6 Positive microtext ONLY YOU CAN BE YOU in intaglio

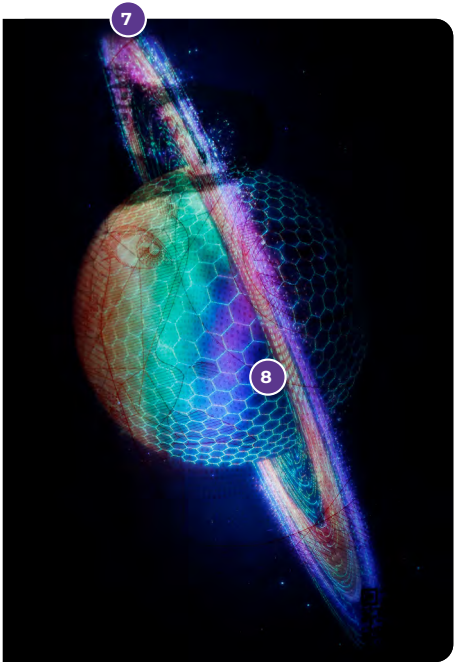


TITLE PAGE
In normal light



- 1 A photo of the passport holder is laser engraved on the page behind the main portrait.
- 2 The passport number is printed across the hinge and title page for enhanced protection.
- 3 The security hinge is embossed with very small text XOXO.
- 4 The eye is rainbow printed.
- 5 A QR code of the passport number is laser engraved.
- 6 Numismatic background

TITLE PAGE
In UV light



- 7 The planet is printed in polychromatic UV inks.
- 8 The hexagons are made up of multicolored fine lines.

POLYCARBONATE DATAPAGE

In normal light

- 1 The fine line structure is rainbow printed (purple/orange/purple).



- 2 The OVI planet changes color from gold to green.



- 3 Duplex pattern



- 4 LASINK™ Origin color portrait



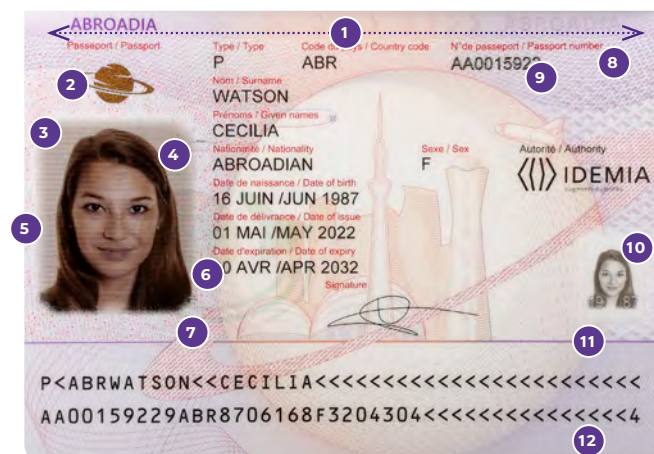
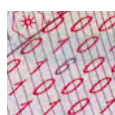
- 5 The stars and sun are in matt relief.



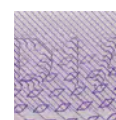
- 6 DID™ Shape—when the document is tilted from top to bottom, a wave effect with continuous movement can be seen across the planet and spaceship. When the hologram is rotated at a 90° angle, a green/red color permutation can be observed.



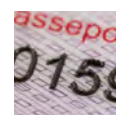
- 7 Deliberate error: a 6 in the pattern amidst the binary numbers 0 and 1



- 8 Numismatic pattern



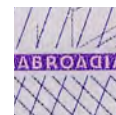
- 9 The passport number is laser engraved to create a tactile effect.



- 10 Stereo Laser Image (SLI™) secondary portrait, with 3D and depth effects to enhance the security of the primary portrait.



- 11 Deliberate error: a mirrored D appears amidst the microtext ABROADIA



- 12 Antiscan pattern



POLYCARBONATE DATAPAGE

In UV light

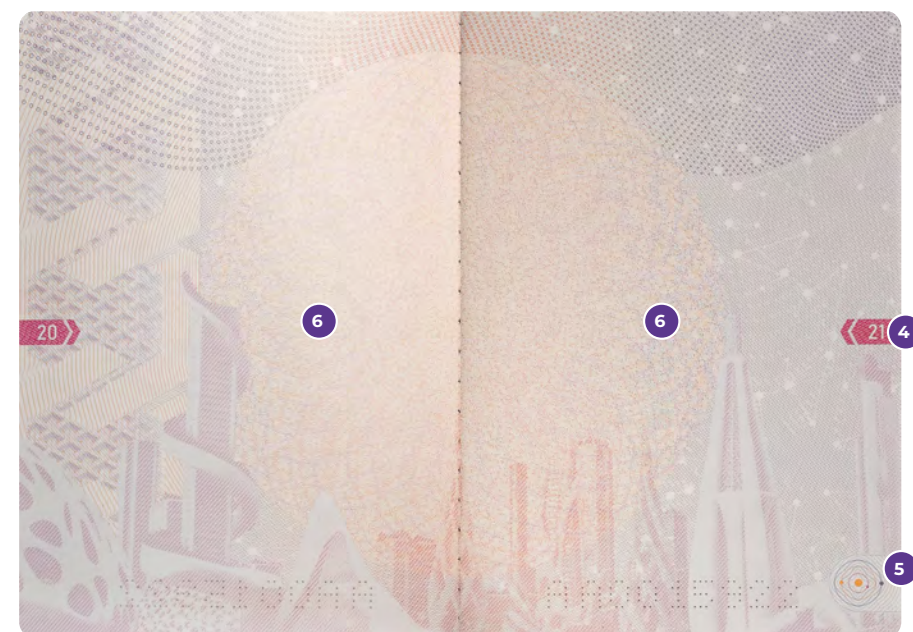
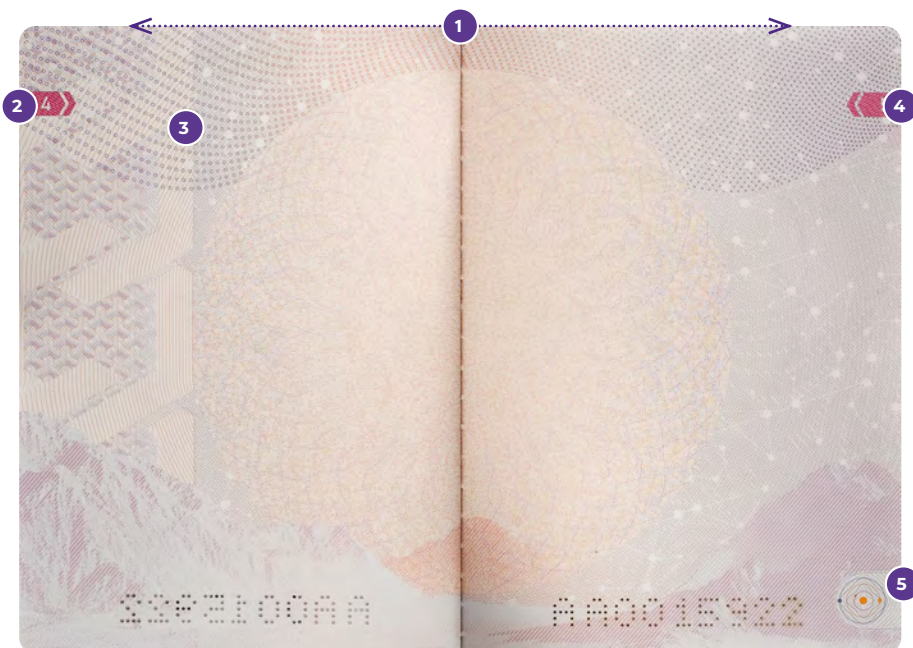


An image of a city alongside biometric features are revealed in fluorescent yellow and blue.



PAPER VISA PAGES

In normal light

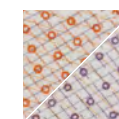


PAPER VISA PAGES

In normal light



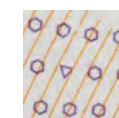
- 1 The fine line structure is rainbow printed (purple/orange/purple).



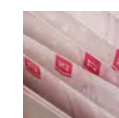
- 2 Negative microtext VISA



- 3 Deliberate error: a triangle is inserted in the midst of circles.



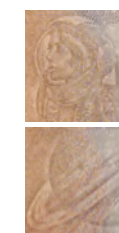
- 4 The index marks change position from page to page.



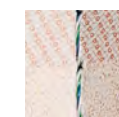
- 5 When flipping through the pages, the planets gravitate around the orbit.



- 6 The mould-made watermarks are visible in transmitted light.



- 7 The sewing thread is blue, green and white.



- 8 Duplex pattern with guilloche integrated

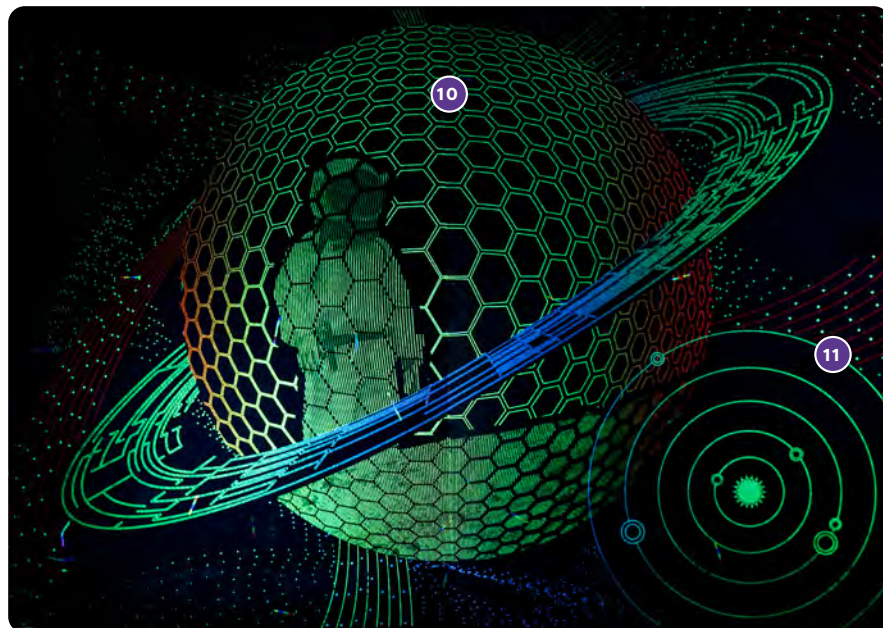


- 9 Positive microtext PASSPORT in the duplex pattern



PAPER VISA PAGES

In UV light



- 10 The sewing thread is fluorescent red and yellow.



- 11 Multicolored fluorescent fibers (yellow/red/yellow/blue/yellow) are embedded across the visa pages.



Contact IDEMIA

Are you ready for take-off?

Ascend toward the sky and debark with IDEMIA in the next universe.

Contact IDEMIA to find out more:

psi.contact@idemia.com



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idemia.com/biometric-passport



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