



ZEBRA SOLUTIONS Create Highly Secure ID Cards



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WHEN SECURITY COUNTS, COUNT ON ZEBRA FOR HIGHLY SECURE CARD SOLUTIONS.

Security is a top priority today more than ever. Improve your organization's security with Zebra's advanced security ID card solutions.

Combat card counterfeiting and unauthorized alterations and duplications with levels of customizable security features offered through Zebra's pre-printed cards, True Secure™ laminates and Security class card printers.

Start with a high-quality Zebra plastic card containing your choice of pre-printed security features and built-in security materials. Using Zebra's Security class on-demand card printers, encode magnetic stripes, radio frequency identification tags for proximity cards, or smart chips for data security in smart cards, plus print variable text and vibrant ID photos. For higher card security and durability, add laminates embedded with additional overt, covert and forensic features.

Zebra card products provide businesses enhanced security, increased productivity, improved quality, lower costs and better customer service.

Choose from a broad range of full color or monochrome card printers. Options range from Ethernet connectivity, Gen 2 UHF RFID and magnetic stripe encoding, to lamination for higher security and card durability. There is a Zebra card printer to meet all your business needs.



Overt Visual Security Elements

Overt visual security elements, which are visible to the human eye, are easy to authenticate and very difficult to forge.

Covert Elements

Covert elements require a device to make them readable by the human eye.

Forensic Elements

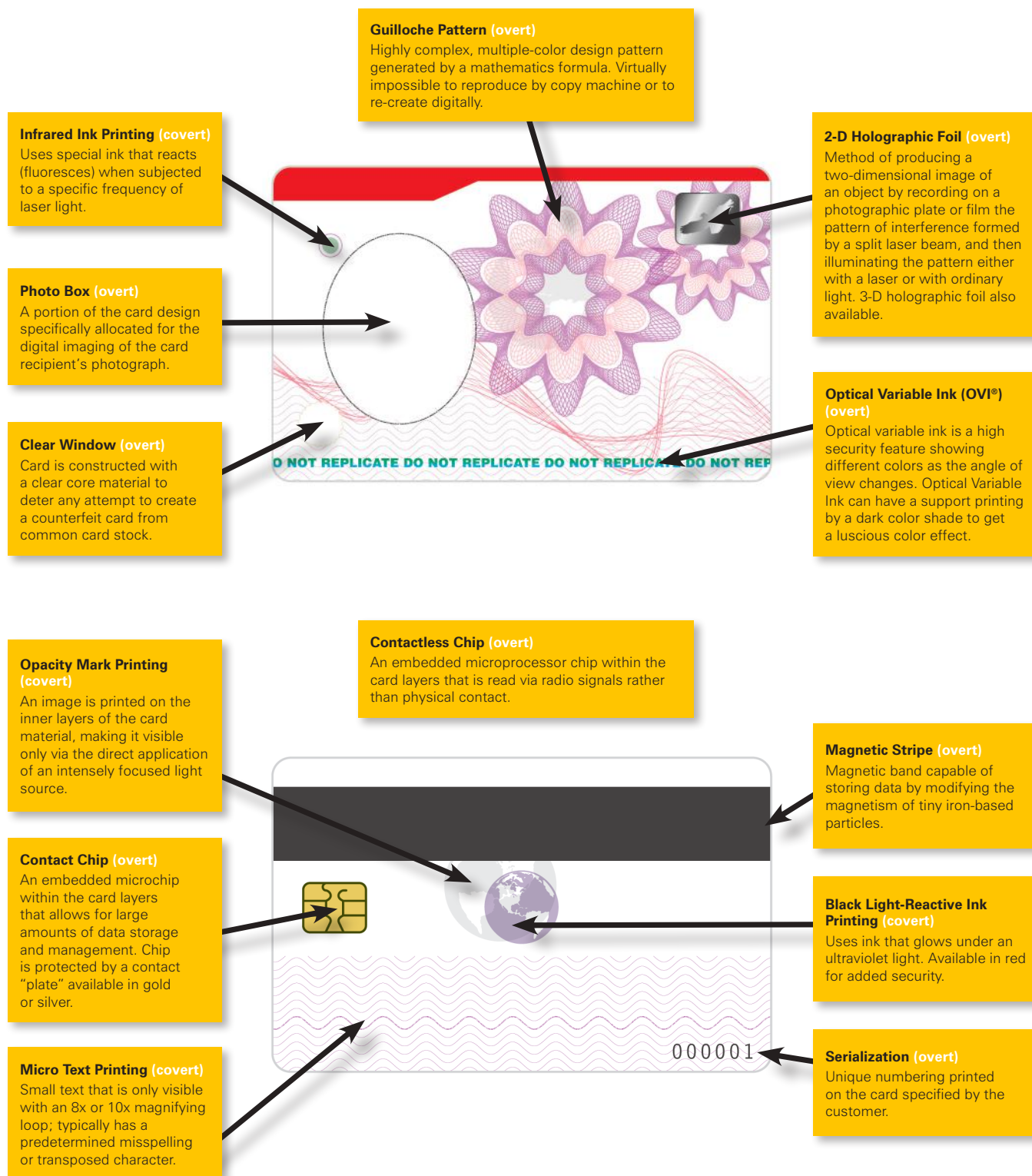
Forensic elements are microscopic and the most difficult for a counterfeiter to detect and replicate.



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CARD SECURITY FEATURES

For secure applications, Zebra offers Composite cards that provide a greater average lifespan than most cards available on the market. Order your customized, genuine Zebra™ cards with your choice of **overt**, **covert**, or **forensic** security features.



The diagram illustrates various holographic security features, each with a corresponding text box and arrows pointing to specific elements on a Zebra-branded hologram. The features include:

- Hidden Imagery/Laser Retrievable Image (overt)**: This feature permits the authentication of a holographic image with the use of a laser by illuminating a hidden image that is concealed within the micro-structure of the hologram and not visible to the naked eye until illuminated by a laser.
- Optical Variable Ink (OVI) Printing (overt)**: The printing of inks that have a noticeable color shift when the document is rotated either up and down or left to right.
- Morphing (overt)**: This holographic technique is demonstrated by a shift between two different images as the angle of viewing is rotated from left to right. The image shift is gradual from one image to a second image.
- 2-D/3-D Holography (overt)**: This is a type of hologram that is made by putting a two-dimensional holographic image in the foreground and putting a two-dimensional holographic background behind it to create the appearance of depth.
- Two Channel Image/Flip Image (overt)**: A holographic effect whereby an image has an instant change from one image to another as the hologram is rotated from left to right.
- Vertical and Horizontal Gradient Holography (overt)**: The method of animating a holographic two-dimensional image so that the image radiates bands of color in either the vertical or horizontal.
- Pseudo Color (overt)**: This technique in making holograms gives a result where the object that is originated appears in its true "natural" coloring. However, the color is only apparent at a single "fixed" viewing angle. While you will see the image at any viewing angle, it will only be in its natural coloring at one viewing angle.
- Grayscale Image Effect (overt)**: A holographic origination technique whereby the image appears in grayscale versus the traditional rainbow colors.
- Linear Kinetic Effect (overt)**: A holographic image effect where an image is only visible when viewed at a specific angle.
- Circular Kinetic (overt)**: The method of animating a holographic two-dimensional image so that the image radiates bands of color in a set pattern.
- Nano-Text (forensic)**: Refers to text that requires magnification beyond a simple eye loop and usually implies that a microscope is needed to decipher the text.
- Fine Line Printing (overt)**: The use of complex fine line designs that are sophisticated in detail, typical to banknotes and often referred to as guilloche printing, these designs can be successfully incorporated into many types of holograms.
- Micro-Text (overt)**: Small text that is only legible when viewed with an 8x or 10x magnifying glass.

PRINTERS AND SUPPLIES

SECURITY CARDS



Zebra Laminating Card Printers

For high-volume, high-security applications, choose a Zebra card printer with single- or dual-sided lamination. Depending on your application requirements, lamination is available on direct-to-card security printers or retransfer printers. They both provide the maximum amount of flexibility in protecting driver's licenses and other types of secure ID cards.

Ideal for:

- Driver's Licenses
- Government & Military ID Cards
- High Security Access Control ID Cards
- Law Enforcement and Correctional Facility ID Cards
- Airport Personnel ID Cards
- Applications requiring secure issuance of long-lasting, tamper-evident IDs

Extend Your Security Options with Long-Range RFID

With a Zebra card printer, you can extend the range of contactless ID cards to as much as 30 feet—thanks to secure, long-range RFID ultrahigh-frequency (UHF) technology. Efficiently control and monitor access to high-security organizations and areas, track people's locations, and relieve congestion by validating or counting people simultaneously, as well as track assets.



Optimize Your Printer Performance with Genuine Zebra™ Supplies

Print Ribbons

Zebra's True Colours® print ribbons deliver consistent, high-quality color reproduction for vibrant color photos, true-to-life flesh tones, and sharp monochrome resin bar codes and text. A patented overlay protects the card against dye-migration and abrasions.

Overlay & Laminate

Zebra's True Secure secure varnish overlays and laminates are designed to combat card counterfeiting, alteration and duplication. These protective materials prolong card life by preventing image fading and dye-migration, and create a more durable card. They can also deter card forgery with the use of the security-featured holograms. Zebra's patented linerless lamination dramatically reduces the cost of laminate material and is waste-free.

Plastic Cards

Zebra's premier plastic cards enhance the print quality and image sharpness needed for vivid colors and detailed, readable barcodes. For more secure applications, Zebra offers stock and custom security features.

Cleaning Supplies

Zebra offers a full line of cleaning supplies to properly maintain printer performance, extend card printer life, and yield better quality card images.



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