

# Signature effects for documents



## nanoDOVID® High-security technology for documents

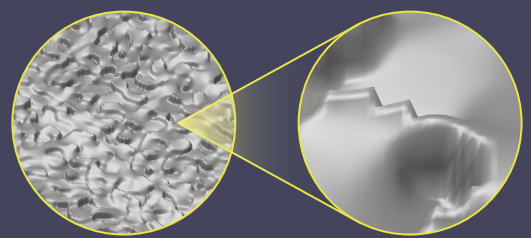
nanoDOVID® uses nano-engineered optical structures calculated point by point with advanced mathematical algorithms, providing the highest level of anti-counterfeiting protection for documents.

Patented technology, proven in the market.

### Authentication:







overt, covert, forensic  
and digital using a smartphone.

nanoDOVID® can be applied in various  
shapes and sizes.



CGH  
Aperiodic structure



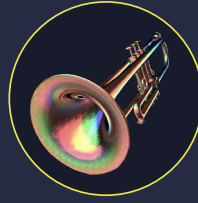
EFFECTS CATEGORIZATION	Category	Level	Effects
	Higher	1	Rainbow Bas-relief 
	Deeper		Deep Plane 
	Hidden	2	Laser Readable Image 
	Smaller	3	Micrograf  
Robotic	4	Robotic QR 	

# Documents signature effects description

Higher

## Rainbow Bas-relief

- 3D object as a sculpture
- Rising above the plane
- No haptic response (feels flat)
- Chromatic with rainbow colors
- Visible under all lighting conditions



Color

White

Deeper

## Deep Plane

### Color/White

- Wireframe (3D object outline)
- Hovering above or below the plane
- Different depth levels
- Tilt the card around the vertical and horizontal axis to observe the object

### Color

- 3D space appears when the card is tilted around the vertical axis
- Color changes when the card is tilted around the horizontal axis

### White

- 3D space appears when the card is tilted around the horizontal and vertical axis



single parallax

full parallax



Left tilt



Right tilt



Left tilt

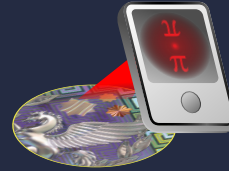
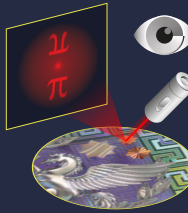


Right tilt

Hidden

## Readable Image

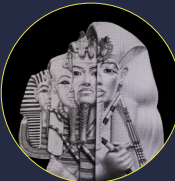
- Laser-projected 2D object
- When illuminated by laser it reveals a simple image or a monogram



Smaller

## Micrograf

- Grayscale image at the micro scale
- Visible under a magnifying lens



3 mm



5 mm



Robotic

## Robotic QR

- Grayscale QR a few millimeters in size
- Readable with a smartphone

