

## PHARMACEUTICAL PACKAGING & BLISTER PROTECTION



HIGHLY SECURE & INDUSTRY PROVEN



AUTHENTICATE WITH A MOBILE PHONE



NO PRODUCTION CHANGES



INVISIBLE SECURITY



NO ADDITIONAL CONSUMABLES

### WHAT WE PROPOSE

AlpVision has developed a digital invisible technology called Cryptoglyph. This solution allows brand owners, manufacturers and experts to verify the authenticity and traceability information of blister packs, the carton packaging or the label in less than 3 seconds thanks to a dedicated smartphone application.



Authentication using iPhone or Android smartphones.

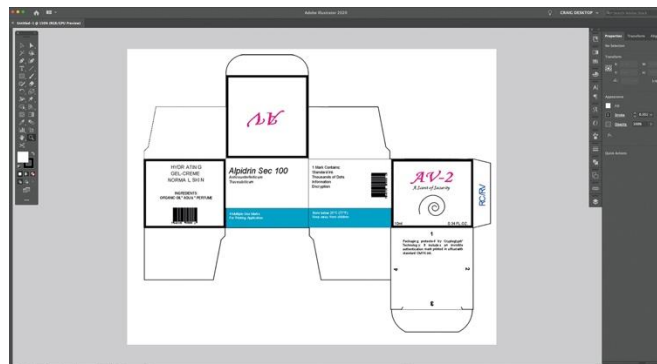
### ALPVISION CRYPTOGLYPH®

This is an invisible marking which contains encrypted information. Cryptoglyph® is applied to blister, label or the packaging itself.

Non-intrusive and totally invisible, this solution is integrated during the regular overprinting of varnish and the standard printing processes (flexography, rotogravure). These holes cover the entire surface of blister, packaging or label without changing its design.

### HOW IT WORKS

AlpVision creates a pseudo-random pattern of micro-holes (40 to 80 microns) and it is compliant with any varnish. Digitally encoded within the artwork and easily integrated into any existing blister, packaging or label printing process at zero production cost.



Integration of the varnish layer inside Adobe Illustrator.

AlpVision smartphone application is able to detect these invisible holes and therefore prove the authenticity of the products. The application works offline and is therefore able to operate even if no network connection is available.

## DEPLOYMENT

As no additional consumables are required, Cryptoglyph is especially well suited for large-volume, high-speed printing processes. AlpVision protects billions of products across industries worldwide thanks to this technology. Commercialized under license agreements as an entirely customizable turnkey computerized system.



## BRAND MONITORING SYSTEM

The smartphone app automatically reports each detection to a website running our BMS application. If no connection is available, the information is stored on the phone and automatically uploaded later. Brand owner can then easily monitor the location, user and authentication result of their products worldwide.



Real-time counterfeit alerts are sent directly to you.

## TURNKEY SOLUTION

AlpVision provides an entirely customizable pre-configured turnkey solution that can either run on the client's own platforms or be hosted through AlpVision. As part of its standard services, AlpVision also provides staff training and support. Moreover, all those services are personalized to meet the brand owner's unique authentication needs.

## SPECIFICATIONS CRYPTOGLYPH AND BRAND MONITORING SYSTEM - BMS

### Printing Technologies

Offset, flexography, rotogravure  
Digital printing possible

### Printing Resolutions

600 dpi or more

### Ink Compatibility

Standard varnish (UV and Water based)  
Special varnish (soft touch, etc)

### Authentication Devices

Smartphones with camera and flashlight  
(iOS and Android)  
Flatbed scanners  
Vision systems

### BMS Server

Cloud, local or remote hosted  
MS Windows based  
Open Web API for third party integrations

### Quality Control

Smartphone based QC tools

### SDKs

Authentication SDK (integration in 3rd party smartphone apps, iOS and Android)

### Certifications

GAMP5 CSV - FDA 21 CFR Part 11  
ISO 9001

To arrange an online demonstration or for any further information, please contact us:

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