

DK
Image

Keep your images safe

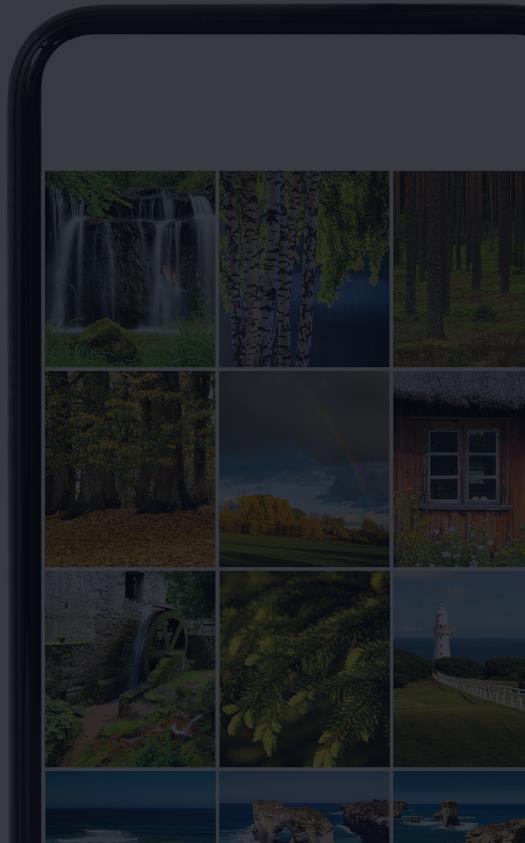
DK Image

Module that allows you to encrypt images of any type by converting them into a new encrypted image.

The new image is resistant to resizing and / or re-encoding. Our proprietary algorithm makes this encryption technology "Quantum Proof", which is also resistant to attack by future quantum computers.



Patent pending



Features

DK Image



SDK

- Allows you to add our image encryption / decryption to your code.
- Developed in C++/Assembler to maximize speed.
- Available for C, C++, C #, Java, Python.



Use

- DK Image solves the problem of securing images keeping them working as an image.
- To store images in 3rd party systems which accept images only.
- To be used with legacy systems.



Performance

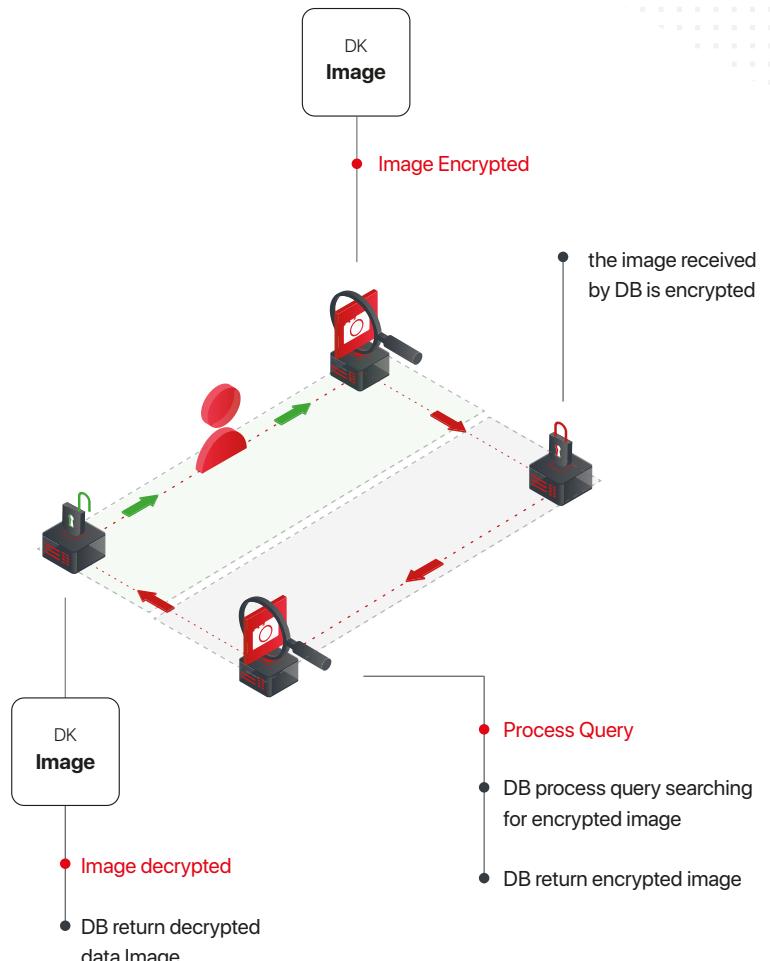
- Extremely fast, can encrypt an image 4032x3240 4 channels in less than 150ms.
- Can decrypt the same image in less than 55ms.

How it works

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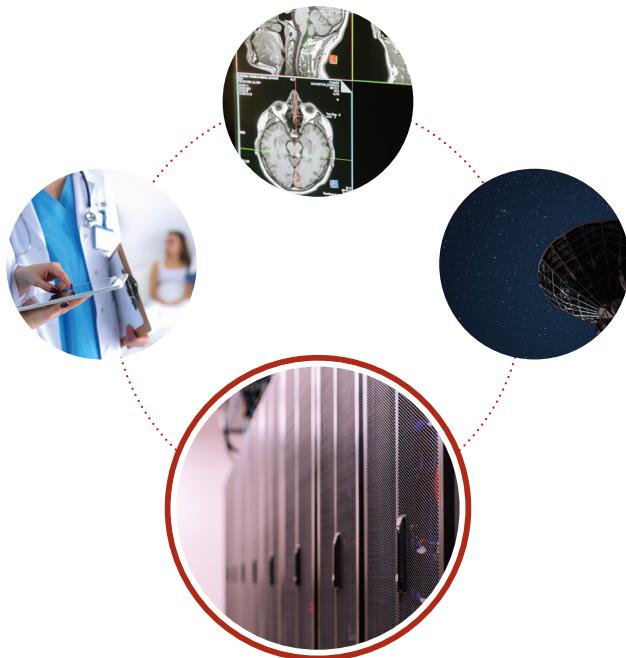
Our algorithm is entirely unique. DK Image makes encrypted images resistant to resize and/or re-encoding. You can resize an encrypted image and/or re-encode it, even with lossy compression, and when the image is decrypted the result is the same as if you did the operation on the original image.

Normally an encrypted image is not re-sizeable or re-encodable without generating errors (image artifacts) in the decryption process. With DK Image, the image is decrypted without artifacts even after being resized (62%) and re-encoded in JPEG.



Use cases DK Image

The DK Image algorithm is also quantum - proof; a quantum proof algorithm (also known as post - quantum) is an encryption system immune to attacks made by quantum computers . DK Image ensures the protection of images allowing them to be managed in legacy systems, 3rd party applications, etc.



Healthcare

For some hospitals and private diagnostics labs, DK Image is the most effective and secure way to protect the images and at same time, the easy way to comply with HIPAA, thus minimizing the risk of losing sensitive patient health data.

Research lab & patent

Thanks to DK Image, today Chemical Industries, Research Labs, Architectural Design Studies for large public works, can protect the data of their scientific research, projects and formulas, even from internal or external industrial espionage.

Satellite imagery

For Space Agencies, Academic Telescopes, and research centers of geophysics and volcanology, DK Image is the most effective and secure way to protect the "captured" images and thus minimizing the error of Resizing and Re-Encoding.



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