

IQ Structures Brings Machine-Readable Holograms

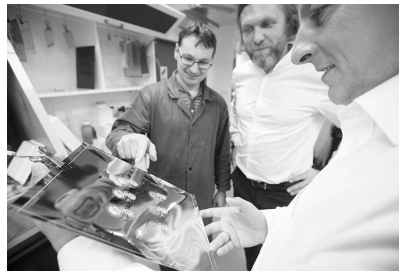
BY APSM_ADMIN ON DECEMBER 6, 2022

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IQ Structures has announced it has introduced holograms that can be authenticated automatically. All it takes is a normal light and a mobile phone app.

When checking the security features, it can happen that the supervisor is not completely sure of the authenticity and yet, for various reasons, is not able to verify it against the database entry. This is what the machine-readable holograms solve. All it takes is a mobile phone with an app. It works by illuminating the hologram, reading it with the phone, and the app confirms authenticity there.

"Machine-readable holograms combine two very powerful principles. Our holograms contain unique visual effects that virtually cannot be replicated because they are based on special nanostructures. The second principle is automated control, immune to human failure. Each is powerful, together it is unbreakable," says IQ Structures CEO Petr Franc. "Our new technology has a range of applications, from personal documents to paper certificates and brand protection."



The machine-readable holograms are put into ID documents as part of IQ proID's product. This product is based on micro-segmentation technology to ensure seamless integration into the card. Any attempt to manipulate the holographic layer ends up disintegrating the hologram into thousands of miniature parts.

Other advantages of IQ proID are the possibility of full area protection, so no one can change any data on the document, and the possibility of creating integrated security features combining different technologies (security

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printing, UV and OVI printing, tactile surface embossing and holographic). Many customers prefer this technology because of the distinctive visual effects.

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