UV-barcode
printing and reading system

identity
form
card
mobile
payment

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UV-barcode
printing and
reading system

A combination of invisible, UV fluorescent ink-jet printing and UV barcode reading provides new possibility to place hidden, variable information into your security document.

Have you or your partner ever had a problem of securing data of document made on standard office paper, to secure the most important data of an important contract e.g.?

Our system provides you a reliable and cost-effective solution!

PRINTING

Our solution contains a printing system based on a Canon desktop ink-jet printer, designed for home and small-office use. The black ink and its cartridge remained intact, this prints the visible text. The coloured cartridges have been removed and replaced with ones that we filled with our security ink. The ink is invisible for the naked eye. Under UV it has a strong yellow fluorescence which can be hardly seen when it is printed out due to the strong blue fluorescence of the standard office paper.

READER

Our reader is able to read the hidden 2D barcodes printed with the security ink due to the built-in light-separation system.

The reader contains intensive UV LEDs for the visualisation of the hidden code.

By using our system it is possible to place an invisible 2D barcode on the document, which barcode contains the most important or vulnerable data encoded. It is also possible to print the whole content of the given page in the form of a 2D barcode however, the size and the positioning of the resulting barcode should be considered.

If the document secured with our invisible barcode system once becomes questioned one just have to read the data contained in the barcode and compare to the text of the document.

The invisibility of the barcode provides not only security but conserves the original aesthetics of the document.

PHYSICAL PARAMETERS OF THE BARCODE READER DEVICE

Dimensions:	163 (H) × 135 (W) × 81 (D) mm
Weight:	cca 280 g
Excitation:	375 nm LEDs
Working time per charge:	16 hours (50,000 reading)
Width of detection:	40°
Bluetooth range:	10 m