

# DERMALOG

## Document Reader XF3

For reliable border control



### Outstanding Features

- > Authenticity verification
- > Automated document detection
- > Compensating external light occurring during UV image capturing
- > RFID tag reading
- > Barcode Recognition and reading (1D/2D)

### Key Benefit

A small-size reader for easy processing. The device can capture images in white, infrared, ultraviolet and coaxial light and is equipped to read RFID.

# Multi-Document Reading, Including RFID – the DERMALOG XF3

## A robust and easy to operate security device

The DERMALOG XF3 is designed to automatically read and verify passports, ID cards, visas and other documents. It is able to recognize text data, read barcodes and RFID tags. Using infrared, UV light and MRZ recognition, the XF3 is designed to make border control operations much easier. Its high reliability also makes the XF3 popular for many civil and security installations, immigration services, financial institutions or ticket offices.



### ePassports

The XF3 is a high-resolution color document reader that includes ultraviolet (UV) and infrared (IR) images as well as image checks. The integrated RFID reader can read biometric data stored on the chip.



### Barcode Reader

Barcode authentication (in all common formats and encodings) can be used for many applications, including airline tickets, ID cards, QR codes, arrival cards and visas. The XF3 is fully equipped to handle high volumes of requests using infrared or visible light.

## Product Features

- > Authenticity verification
- > RFID tag reading
- > Full-page document scanning
- > Automated document detection
- > Glare suppression for infrared light and white light
- > Barcode recognition and reading (1D/2D)
- > Compensation of external light occurring during UV image capturing
- > Reading of luminescent text (under UV) and comparison with data obtained from the MRZ and VIZ
- > MRZ (Machine Readable Zone) detection and recognition
- > Conformity with MRZ formats ICAO 9303 and ISO/IEC 18013 (IDL)



### ID Cards

ID documents can be evaluated using visual and electronic features. The XF3 can read biometric data stored on ID cards.



### Ease of Use

The device combines usability and ease of use. The self-explanatory XF3 design provides an intuitive way to guide users.

# Specifications Document Reader XF3

## Technical Features

Scanning Area (W x D)	128 mm x 88 mm (5.04" x 3.46")
Supported Document Formats	ID-1, ID-2, ID-3
Illumination Sources	White, infrared 870 nm, ultraviolet 365 nm, coaxial white*
Video Sensor	CMOS (RGB), 24 bit
Image Resolution	500 dpi 860 dpi*
Provided Images	Visible, IR, UV*, glare-free image (visible and IR)
Image Formats	BMP, JPG, JPG2000, PNG, TIF, others upon request

## Reading Capability

RFID	ISO 14443 (type A and B)
Smart Card (optional)	ISO/IEC 7816-1, -2, -3, -4; EMV2000 4.1, Level 1
MRZ	In conformity with ICAO 9303 for Type ID-1, ID-2, ID-3 MRZ and ISO IEC 18013 (IDL)
VIZ	Yes
Barcode	1D: Codabar, Code39 (+extended), Code93, Code128, EAN-8, EAN-13, IATA 2 of 5 (Airline), Interleaved 2 of 5 (ITF), Matrix 2 of 5, STF (Industrial), UPC-A, UPC-E 2D: PDF417, Aztec Code, QR Code, Datamatrix

## SDK Features

SDK Available	Yes
Supported Operating Systems	Microsoft Windows 10, 11
Programming Languages	C++, C#, Delphi, VB.NET
General Interfaces	DERMALOG native, PC/SC

## SDK Features

Dimensions (W x D x H)	160 mm x 179 mm x 99 mm (6.30" x 7.05" x 3.90") 160 mm x 190 mm x 99 mm (6.30" x 7.48" x 3.90")*
Weight	0.82 kg (1.82 lbs)
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)
Operating Humidity	20 % to 95 % non-condensing
Ingress Protection	IP51
Power Supply	From USB port: 5 V From AC adapter: AC 100-240 V / DC 5 V*
Certificates	BSI TR-03105, CE (RED, LVD & EMC), EU WEEE, REACH & RoHs Directive, FCC Part 15 Class B*, UL*

\* optional features