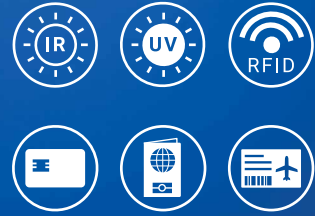


# DERMALOG

## 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 sized reader for an easy processing. The device allows capturing images in white, infrared, ultraviolet and coaxial lights and is equipped for reading RFID.

# Multi-document reading, including RFID – the DERMALOG XF3

## A robust and easy to operate security device

The DERMALOG XF3 is intended for the automatic reading and authenticity verification of passports, ID cards, visa and further documents. It is capable of text data recognition, reading 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 furthermore makes the XF3 a popular device for many civil and security installations immigration services, financial institutions or ticket offices.



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### ePassports

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



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### Barcode Reader

The many fields of application for using barcode authentication (in all common formats and coding) include for instance flight tickets, ID cards, QR codes, arrival cards or visa. By using infrared or visible light, the XF3 is fully equipped to manage a high volume of enquiries.

## 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 is able to read biometric data stored on ID Cards.



### Ease of Use

The device combines usability and easy handling. The self-explanatory XF3 design provides an intuitive way of guiding users.

# Specifications Document Reader XF3

## Technical Features

Active scan area	125 mm × 88 mm (4.92" × 3.46")
Illumination sources	White front light (side optional) Infrared 870 nm front light (side optional) Infrared 950 nm front light * Ultraviolet 365 nm * Coaxial white *
Image resolution	500 dpi
Provided images	Visible, IR, UV (optional), glare-free image (Visible and IR)
Image formats	BMP, JPG, JPG2000, PNG, TIF, others upon request

## Reading Capability

Automatic document detection	Yes
MRZ reading	In conformity with ICAO 9303 for Type ID-1, ID-2, ID-3 MRZ and ISO IEC 18013 (IDL)
VIZ reading	Yes
Barcode reading	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 XP (SP3), Windows 7 (x86, x64), Windows 8, Windows 10
Programming languages	C++, C#, Delphi, VB.NET
General interfaces	DERMALOG native, PC/SC
RFID functions	BAC, EAC, PACE, SAC, AA, PA, CA (v1, v2), TA (v1, v2)

## Mechanical and other data

Size (W x D x H)	179 mm × 160 mm × 99 mm - 250 mm × 200 mm × 150 mm
Weight	0.82 kg, 1.8 kg *
Operating temperature	-10°C to +40°C
Operating humidity	0-80%
Case	Plastic body
Maintenance	No moving parts, maintenance-free operation
PC interface	USB 2.0 high speed
Power supply	Power supply voltage from a USB port 5V
Certificates	BSI TR-03105 Part 5.1, BSI TR-03105 Part 5.2

\* optional features

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