

DERMALOG

Document Scanner 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 provides the capability of text data recognition, reading barcodes, and RFID tags. Using infrared, UV-Light and MRZ recognition the XF3 professionalizes Border Control business. Its high reliability makes the XF3 a popular device for many civil and security installations like Border Control, immigration services, financial institutions or ticket offices.



ePassports

The XF3 is a full high-resolution colour passport scanner, including ultraviolet (UV) and infrared (IR) images, plus image checks. The integrated RFID Reader can read biometric data stored on the chip.



ID Cards

ID documents can be evaluated relating to visual and electronic features. The XF3 is able to read biometric data stored on ID Cards.



Barcode Reader

Reading an optical code is a task often faced on airports or events. 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.



Ease of Use

The device combines usability and easy handling. The self-explanatory XF3 design leads users in a correct way without needing assistance.

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)
- > Compensating external light occurring during UV image capturing
- > Reading luminescent text (under UV) and comparing with data obtained from the MRZ and VIZ
- > MRZ (Machine Readable Zone) recognition and detecting
- > Conform to MRZ formats ICAO 9303 and ISO/IEC 18013 (IDL)



Specifications Document Scanner XF3

Technical Features

Active scan area	125 mm x 88 mm (4.92" x 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 x 160 mm x 99 mm - 250 mm x 200 mm x 150 mm
Weight	0.82 kg, 1.8 kg *
Operating temperature	+5°C to +45°C (45°F to 113°F)
Operating humidity	0-95% (non-condensing)
Case	plastic body
Maintenance	No moving parts, maintenance-free operation
PC interface	USB2.0 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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