

# DERMALOG

## Document Scanner XF12

Border Control at its best.



### Outstanding Features

- > Authenticity verification
- > Automated document detection
- > Reading and verifying identity documents compliant to ICAO and non-compliant to ICAO
- > Barcode reading (1D/2D) from documents and smartphones
- > Available with Colour UV, RFID, contact smart card and magnetic stripe option

### Key Benefits

ePassport and ID Scanner providing reliable data extraction and (biometric) document verification. Optimal for Border Control, immigration purposes as well as many security and commercial environments.

# The DERMALOG XF12 – full-page document scanner including versatile features.

## Fast processing and efficient for every security environment.

DERMALOG XF12 Scanner is a compact, full-page scanner that provides automatic, accurate data extraction and document verification. The device is able to read multiple document types (Passports, ePassports, ID Cards, visa, driving licences). Printed data is taken from the entire data page – from MRZ, VIZ and barcodes (1D/2D). It extracts digital data from contactless chips (RFID) as well as from magnetic stripes and contact Smart Cards. OCR and RFID Reading are processed in one-step.



### ePassports

The XF12 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.



### 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 XF12 is fully equipped to manage a high volume of enquiries.

## Product Features

- > Authenticity verification
- > Automated document detection
- > Optical system reflection free
- > Automated face comparison (digitally stored against scanned picture)
- > Reading and verifying identity documents compliant to ICAO and non-compliant to ICAO
- > Barcode reading (1D/2D) from documents and smartphones
- > Processing passports (ICAO MRZ, General VIZ, RFID and more)
- > Available with Colour UV, RFID, contact smart card and magnetic stripe option



### ID Cards

ID documents can be evaluated relating to visual and electronic features. The XF12 is able to read biometric data stored on ID Cards.



### Image Quality

The DERMALOG XF12 provides high-resolution images (700 DPI) – using visible white light (LED-based), infrared and UV illumination.

# Specifications Document Scanner XF12

## Imaging

Active scan area	129 mm x 89 mm
Illumination sources	LED visible white, IR (B900), UVA
Image resolution	700 ppi
Sensor	12 Mpixel
Provided images	Visible, IR, UV (UVA), OVD image, glare-free image – oblique (edge light)
Image formats	BMP, JPG, JPG2000 and PNG
Image color depth	24 bits/pixels [RGB, 8 bits/pixels (IR image)]
Automatic image enhancement	Yes – Hardware-accelerated
Automatic document detection (ADD)	Yes
Reflection removal (RR)	Yes
Adaptive light control (ALC)	Yes
Certifications	CE, FCC, RoHS

## Programming & Interfaces

Supported operating systems	USB mode: Windows & Linux
Software Development Kit (SDK)	USB mode: Complete SDK including DLLs and demo programs
Programming languages	USB mode: C/C++, C#, Visual Basic 6.0, Delphi, VB.NET, Java
PC connection	USB 3.0 (USB 3.1 Gen 1)

## Reading Capability

ICAO MRZ reading	ICAO compliant documents per ICAO 9303 specification Part 1, Part 1 v1 Part 2, Part 3 and Part 3v3 for Type ID-1, ID-2 and ID-3 MRZ Optical Character Recognition
VIZ reading	Available with DERMALOG VIZ OCR software
Barcode reading	1D: UPC-A, EAN8, EAN13, Code39, Code128, ITF, 2D: PDF 417, Data Matrix, QR Code, Aztec Code, Interlaced 2 of 5 (ITF), AAMVA compliant PDF417 and IATA BCBP
Contactless IC (RFID) option	Reading and writing contactless ICs according to: ISO 14443 Type A & B, BSI TR-03105 All standardized rates up to 848 Kbps
Contact smart card option	Included

## Mechanical data

Internal processor	Multi-core processor
Dimensions (H x W x D) / weight	157mm x 178mm x 203mm / 2.25 kg
Power supply	Universal external power supply, 100-240 V AC, 50/60 Hz
Case	Sturdy ABS-PC plastic & aluminium
Operating temperature	5 °C to 40 °C (45 °F to 113 °F) Operating humidity 0-90 % (non-condensing)

### Head Office

DERMALOG Identification Systems GmbH  
Mittelweg 120  
20148 Hamburg  
Germany

### Berlin Office

DERMALOG Identification Systems GmbH  
Kronenstraße 1  
10117 Berlin  
Germany

### Dubai Office

DERMALOG FZE  
Business Center, Al Shmookh Building  
UAQ Free Trade Zone  
Umm Al Quwain, U.A.E.

### Malaysia Office

DERMALOG AFIS Asia Sdn Bhd  
8-4, 8<sup>th</sup> Floor, Bangunan Malaysia RE  
No. 17, Lorong Dungun  
Damansara Heights  
50490 Kuala Lumpur

### Philippines Branch Office

DERMALOG Identification Systems GmbH  
Regus Gateway Tower  
Level 5 - Gateway Tower,  
Gen. Roxas Avenue cor. Gen. Aguinaldo Avenue  
Araneta Center, Cubao, Quezon City 1109  
Philippines

### Singapore Office

DERMALOG Singapore Technical Services Pte. Ltd.  
Southbank  
883 North Bridge Road, #17-02  
198785 Singapore



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