



Thales Double- sided ID Card Reader **CR5400**

Thales Double-sided ID Card Reader CR5400



Identity & Biometrics Solutions

Thales Double-sided ID Card Reader CR5400, part of our document reader solutions, scans and checks ID cards and driver's licenses in half the time, reading the front and back simultaneously. Simple drop in action starts the read in any portrait orientation.

Benefits

- Saves time, shorter queues, enhanced customer in-store experience
- Faster, more accurate data entry
- Improved due diligence and GDPR compliance
- Increased detection of fraud with fast ROI
- Easy to use and minimal training required

Key features



Anti-glare technology



AAMVA barcode decoder

Comprehensive software features

- Uses the same API interface as other Thales document readers using Thales Document Reader SDK
- Flexible software interface allows host application to select which illumination sources to use, image type, image compression, photo extraction, reflection or ambient light elimination, color enhancement, which data groups to read, etc.
- Configuration via file or api, can be configured in field and saved
- Simple high level API for quick program development or detailed low level API for fine control of all reader functions. SDK provides full configuration API
- ICAO 9303 checksum, IR ink and UV dull validation
- AAMVA parser for barcode decoding
- Full SDK including DLLs, code examples, utilities and demonstration programs. Can be used with Visual C++®, Java® and Microsoft® .NET Framework for Visual Basic® .NET and Visual C#®

Reliability and speed for enhanced processing

The Thales Double-sided ID Card Reader CR5400 enhances processing and security in many commercial and government environments:



Retail

- ID fraud and loss prevention for example in mobile phone stores, casinos and car rental agencies
- Checking rights to access services/buy products (eGov)



Financial Services

- New account enrolment for banks (KYC)
- ID verification for check cashing



Hospitality

- Check-in and visitor management
- Vendor and employee vetting



Government

- Identity card and driver's license verification for services



Transportation and Car Rental

- Verify and capture driver's licenses



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IMAGING

Illumination	Multiple wavelength illumination: <ul style="list-style-type: none"> Near IR B900, 880nm, +/-5% White visible, 400-700nm Ultraviolet A (UVA): 360-370nm
Resolution	<ul style="list-style-type: none"> Sensor: 10 Megapixels, CMOS, RGB 24 bit color system Configurable image resolution, up to 630 DPI
Formats	BMP, PNG or JPEG format
Auto-triggering of document capture	Yes
Anti-glare technology	Yes

READING CAPABILITIES

Optical Character Recognition (OCR) reading	<ul style="list-style-type: none"> ICAO compliant TD1 sized documents in near infrared (IR) per ICAO 9303 specification One line Driving Licenses in near infrared (IR) per ISO 18013 part 2 specification
Barcode reading	<ul style="list-style-type: none"> 1D barcodes (2 of 5 interleaved, 2 of 5 industrial, Code 128, Code 39, EAN-8 and EAN-13) 2D barcodes used on BCBP and other documents (PDF 417, QR Code®, DataMatrix™ and Aztec formats) AAMVA parser decodes North American driver license barcodes
Data capture and form filling software (option)	Available
Thales FRP SDK (option)	Available: 1:1 face matching using 2 photos and a live video feed

MECHANICAL

Dimensions	<ul style="list-style-type: none"> 15.5 x 10.8 x 10.2 cm 6.1 x 4.3 x 4.0 in
Weight	<ul style="list-style-type: none"> <1 kg (2.2lbs)

ELECTRONICS

Power	Powered from a single USB 2.0 port: 500mA
Minimum PC specification	<ul style="list-style-type: none"> 2 GHz Pentium® 4 CPU (Intel Core 2 Duo recommended) 1 GB DRAM USB 2.0 60 MB of Hard Drive space for software Windows® 8.1, Windows® 10 or Windows 11® operating systems, 32 or 64 bit Builds for Ubuntu and CentOS LTS, 32 & 64 bit macOS (limited SDK functionality)

ENVIRONMENT

Temperature	Operating: 0° to 40° C; Storage: -20° to 50° C
Humidity	20 to 95% (R.H. non-condensing)

MAINTENANCE

Service & maintenance	<ul style="list-style-type: none"> Two-year warranty Extended warranty agreement available
Firmware upgrade	<ul style="list-style-type: none"> Upgradeable firmware via USB interface Non-volatile configuration and calibration accessed via USB interface

CERTIFICATIONS

FCC Part 15 Class A, UL, UL-C, CB Certificate, CE - RED, LVD & EMC, EU WEEE, REACH & RoHS Directives