THALES
Building a future we can all trust

Thales Double-sided ID Card Reader CR5400

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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 goverment 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: • Near IR B900, 880nm, +/-5% • White visible, 400-700nm • Ultraviolet A (UVA): 360-370nm
Resolution	• 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	• ICAO compliant TD1 sized documentsin near infrared (IR) per ICAO 9303 specification • One line Driving Licenses in near infrared (IR) per ISO18013 part 2 specification
Barcode reading	• 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	• 15.5 x 10.8 x 10.2 cm • 6.1 x 4.3 x 4.0 in
Weight	• <1 kg (2.2lbs)
	ELECTRONICS
Power	Powered from a single USB 2.0 port: 500mA
Minimum PC specification	• 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
Firmware upgrade	• 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