Thales Document Reader

Thales Document Reader

Identity & Biometrics Solutions

The Thales Document Reader is designed to capture data from driving licenses, passports and other identity documents quickly and reliably in a wide variety of commercial applications.

Benefits

- Accurate data with fewer entry errors
- Automated data form filling
- Reduce customer queues, decreases friction

Key features

USB	China NID & Chinese OCR with RFID reading	Energy Star Certified
Data capture software (option)	Anti-glare technology	No power supply required

Comprehensive software features

- Reads 1D and 2D barcodes from documents and many mobile devices AAMVA parder decodes North American driver licenses
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- Uses the same API interface as other Thales document readers using Thales Document Reader SDK
- Flexible software interface allows host application to select 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 validation
- 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#®
- Optional support for China NID card with RFID reading
- Interfaces to standard hotel software, Oracle PMS, Amadeus, etc (optional)

Reliability and speed for enhanced document processing

Designed for use in demanding scenarios, this ID document reader serves different industries where an accurate and reliable document and ID reading and verification is needed:

Retail

- Enrollment/identification at mobile phone stores, casinos and car rental agencies, restricted goods, etc
- Checking rights to access services/buy products (eGov)

Hospitality

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

Government

- eServices enrollment and delivery
- Voter registration

Healthcare

- ID verification for healthcare administration
- Visitor management
- Employee management

Transportation

- Capture API data
- Data entry of registration and ticket issuance
- Manifest creation

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	IMAGING
Illumination	Dual wavelength illumination: • White visible LEDs, 430-700nm • Near Infrared (IR) B900: 860nm peak
Resolution	• Standard 400 DPI image resolution • RGB 24 bit color system
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 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	• 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) from paper documents and many mobile devices • AAMVA parser decodes North American driver licensebarcodes
Chinese NID RFID option	• Supports reading of new China NID documents using RFID protocols with crypto module inside reader

HRZ Data Capture Option	• Interfaces include XML and JSON, TCP/IP, DLL, HTTP/HTTPS, Java and Keyboard emulation • Option includes multi-font including Asian, Arabic and Chinese character sets
	MECHANICAL
Dimensions	• 19 x 16.5 x 14.3 cm; 7.5 x 6.5 x 5.6 in
Weight	• 0.8 kg (1.7 lbs)
Window size	• 12,5 x 9 cm
Glass	Low scratch, Chemically Strengthened, fully bonded glass
Security	Slot for Kensington® Security Lock
	ELECTRONICS
Power supply	Powered from a single USB 2.0 port: 5 volts DC, 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: -10° to 55° C (14° - 131° F); Storage: -20° to 60° C (-4° - 140° F)
Humidity	10 to 95% (R.H. non-condensing)
Ip rating	IP54 rating for dust ingress protection in the optical chamber
Shock and Vibration testing	Conforming to IEC60068-2-27 and IEC60068-2-64
	MAINTENANCE
Service & maintenance	Two-year warranty; Extended warranty agreement available
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, China RoHS, Energy Star

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