



DATA SHEET.

DELTA PENTA CUBE

Record. Verify. Digitizes.



DELTA PENTA

Delta's PENTA scanner is part of our compact scanner series, in desktop and OEM versions, especially recommended for kiosk integration. It is specific for identification documents (Passports, ePassports, ID cards, residence cards, visas, driving licenses, etc...) from some 191 countries. It incorporates our OCR for data extraction and optionally security verification (VS). Printed data is extracted from full data page, MRZ, VIZ, 1D and 2D barcodes. It also optionally extracts digital data from contactless chips (RFID).

Compact.
Strong.
Versatile.

Reading is done in less than 3 seconds. No moving parts, with IP54 and Gorilla® Glass®. It is undoubtedly the most robust on the market. Especially suitable for working in unattended solutions, kiosks, ATMs, control panels, for processes as important as: fast check-in in hotels, accreditation posts, access control, tax payment processes, loyalty card issuance, hiring and marketing posts, car rental, etc...



MAIN CHARACTERISTICS

- Compact desktop format, full-page document scanning, optional RFID feature.
- High resolution of 500 DPI with brilliant image quality. Visible, optionally: IR, UV illumination.
- Dust and Water Resistant according to IP54 standard
- Designed for OEM integration
- Corning®Gorilla®Glass 3 safety glass

MAIN BENEFITS

- Read and/or verify ICAO and non-ICAO identity documents
- Full passport processing (ICAO MRZ, General VIZ, RFID)
- Achieve one-step OCR and RFID reading for increased security and speed.
- Automated and unique data entry method for a robust database.

PHYSICAL CHARACTERISTICS AND OTHER

Dimensions with passport support	227x143x93mm
Weight	1,15 kg
Operating temperature	0°C a + 40°C
Humidity Conditions	20% a 95% (non-condensing)
Power Supply (V DC)	5V CC +/- 5% Cable with 4 pins
Minimum Consumption	2,5 A
PC connector	USB 2.0 high speed
State Ledes	2 multicolor status leds for feedback 1 multicolor triangular led to guide the user
Certified IP ratio	IP54
Audible Warning	Audible and adjustable internal audible signal
Glass Window	Corning® Gorilla® Glass 3 safety glass
Certifications	FCC, CE, WEEE, RoHS, IP54
Maintenance	No moving parts. Maintenance-free operation
Warranty	12 months, extendable

IMAGE

Acquisition Area	150x110mm (A6)
Lighting	Visible
Image Resolution	From 50 to 600 DPI. OCR normally at 200 DPI
Color Depth	24 bit/pixel (RGB), 8 bit/pixel (grayscale), 1 bit/pixel (monochrome)
Provided images	Visible, images without reflection
Image format	BMP, JPG y TIFF

System requirements:

Intel Core i3 or similar - 7th Generation (2.017) - 2 Gb of disk space. USB 2.0 port available. Operating system: Windows 10 - 6 GB RAM memory. Windows 11 - 8 GB RAM. No support for Windows Server or Windows 7. Commercial Antivirus or Microsoft Security Essentials recommended. (It may be necessary to disable for installation and/or create rules for Software exclusion). Installation will be performed remotely with remote control tools (AnyDesk remote control tools (AnyDesk, TeamViewer or similar). Administrative permissions are required for installation. In case you do not meet the specified requirements If the specified requirements are not met, the installation and configuration of the Software will most likely not be possible.

PROGRAMMING AND INTERFACE

Operating Systems Supported	Windows 10, 11 (32/64 Bit)
Software Development Kit (SDK)	Complete SDK includes examples and demo program. Integration via ActiveX, .Com Object, .dll, XML or Web Service. No integration via DLTID-KeyStroker.
Programming languages	C/C++, C#, Visual Basic, Delphi, VB.NET, Java, Web Technologies through DLTID Web Server (HTML / XML / JSON return). Server (return HTML / XML / JSON)
RFID functions (where applicable)	ICAO Doc. 9303 LDS 1.7, ISO 18013 (Driver's License) PKI 1.1, BAC, EAC, EAC2.0, PACE, AA, PA, TA, CA, BAP, EAP.
Advanced Document Authentication	Data consistency check: MRZ, Barcode and RFID.document support check (paper, card) in IR B900 and UVDocument holder photograph vs. RFID DG2
Additional Authentication Options	VIZ and ICAO-free documentsAutomatic verification based on document security specifications, according to VIZ, IR and UV illumination.
Internal Memory	Stores Calibration and configuration
Firmware Upgrade	Automatic Via Factory USB

READING ABILITY

Automatic Document Detection Option (ADD)	Yes
Reading ICAO-MRZ	ICAO Compatible documents ISO/IEC 7501-1, ICAO 9303 (192 countries) and ISO 18013 specification
Reflex Removal (RR)	Yes
VIZ reading (all other fields Visible)	Yes
Option RFID CI Reader (Contactless Chip)	1D and 2D printed on paper or presented on screens: e.g. Smartphone or Tablet

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