

Osmond R Kiosk – Passport Reader

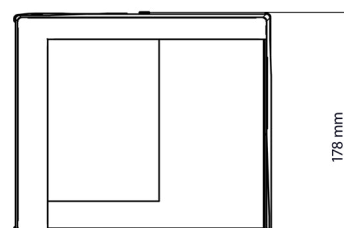
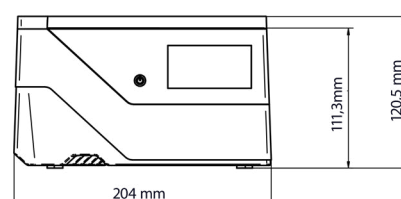
Imaging

Scanning Area	129 mm × 89 mm
Illumination Sources	LED visible white, Infra-red (B900), Ultra-violet (UVA)
Image Output Resolution	700 PPI (scalable)
Sensor	12 Mpixel, CMOS (RGB)
Provided Images	Visible White, Infra-Red, Ultra-Violet (UVA) light sources, OVD/OVI image (e.g. hologram), glare-free image – oblique (edge light) Default: 3584x2464 pixel (8+ Mpixel)
Image Formats	BMP, JPG, JP2 (JPG2000) and PNG
Image Color Depth	24 bits/pixels RGB, (8 bits/pixels for Infrared image)
Automatic Image Enhancement	YES – Hardware assisted
Automatic Document Detection and Scanning	YES
Reflection/Glare Removal	YES – Elimination of glare in white and IR light
Adaptive Light Control	YES – Smart UV compensation; Automatic intensity selection according to document type via Adaptive Light Control (ALC)



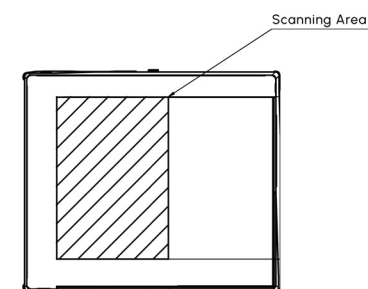
Reading Capability

ICAO MRZ Reading	ICAO compliant documents per ICAO 9303 specification Part 1, Part 1 _{v2} , Part 2, Part 3 and Part 3 _{v2} for Type ID-1, ID-2 and ID-3 MRZ Optical Character Recognition Supported formats: 44x2, 30x3, 36x2 (ICAO 9303 compliant); Recognition in white and infrared; Check digit and data structure validation.
VIZ Reading Option	Available with Adaptive Recognition VIZ OCR software
Barcode Reading	ID: UPC-A, UPC-E, EAN8, EAN13, Code39, Code93, Code128, ITF, and Interleaved 2 of 5 2D: PDF 417, Data Matrix, QR Code, Aztec Code AAMVA compliant PDF417 and IATA BCBP
Contactless IC (RFID)	Reading RFID chip: ISO 14443 Type A and B; Data Rates: 106, 212, 424, 848 Kbaud; Reads RFID regardless of position; MRZ-based anti-collision; Supported Applications: ePassport (DGI–DGI6), eID (DGI–DGI2), eSign, eDL (DGI–DGI4)
Contact Smart Card	ISO/IEC 7816-1, -2, -3, -4; EMV2000 4.1 Level 1; Data exchange rate: 2-500 Kbaud; Supported card types: Asynchronous, T=0 and T=1
Supported Documents	e-Passport, MRP, MRV, ID Card, Boarding Pass, Visa, and other machine-readable identification documents (ICAO9303)



Programming & Interfaces

Supported Operating Systems	Windows 7, 8, 10, 11 & Linux
Software Development Kit (SDK)	Complete Document Reader SDK including DLLs and demo programs
Programming Languages	C/C++, C#, Visual Basic 6.0, Delphi, VB.NET, Java
General Interfaces	AR native, Twain, PC/SC and BioAPI 2.0, Acuant AssureIDTM
RFID hardware	Adaptive Recognition RFID hardware
RFID functions	ICAO Doc. 9303 LDS 1.7, LDS 1.8, ISO 18013 (Driver License) PKI 1.1, BAC, EAC, EAC2.0, PACE, PACE-CAM, SAC, AA, PA, TA, CA, BAP, EAP
Advanced Document Authentication	Data consistency checks: MRZ, Barcodes, RFID
Authentication included in standard SDK	MRZ Check, IR B900, MRZ contrast check, UV dull paper check, Passports' bearer photo vs. RFID DG2
VIZ OCR data reading option	VIZ and non-ICAO document reading
VIZ OCR + Authentication software module option	Automated verification based on document specific security features in visible white, IR and UVA
PC Connection	USB 2.0, 3.0, 3.1 Gen 1
Status indicators & touch button	OLED graphical display
Firmware Upgrade	via USB



Mechanical data

Internal processor	Multi-core processor
Size (width × depth × height) / Weight	178 mm x 204 mm x 120.5 mm / 2.25 kg
Power supply	Universal external power supply, 100-240 V AC, 50/60 Hz
Case	Sturdy ABS-PC plastic & Aluminium, Ingress Protection IP54
Security	Kensington® security slot
Maintenance	Maintenance-free operation
Warranty	3-year warranty
Operating temperature	0 °C to 50 °C, (optimal range: 5 °C to 40 °C)
Operating humidity	0-95 % (non-condensing)
Certifications	CE, RoHS, FCC, CB, WEEE, RED

3-year warranty
Made in EU

Technical specifications are subject to change without prior notice. This document does not constitute an offer.



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