# osmond



#### **Technical** Datasheet

**Data reading and verification capabilities, technical values and compliances –** you can find these all in the following specifications list.

#### Imaging

Active Scan Area	129 mm × 89 mm
Illumination Sources	LED visible white, IR (B900), UVA
Image Resolution	700 PPI
Sensor	12 Mpixel
Provided Images	Visible, IR, UV (UVA), OVD image, glare-free image – oblique (edge light)
Image Formats	BMP, JPG, JPG2000 and PNG
Image Color Depth	24 bits/pixels [RGB, 8 bits/pixels (IR image)]
Automatic Image Enhancement	YES - Hardware-accelerated
Automatic Document Detection (ADD)	YES
Reflection Removal (RR)	YES
Adaptive Light Control (ALC)	YES

# osmond



## Programming & Interfaces

Supported Operating Systems	USB mode: Windows & Linux
Software Development Kit (SDK)	USB mode: Complete SDK including DLLs and demo programs
Programming Languages	USB mode: C/C++, C#, Visual Basic 6.0, Delphi, VB.NET, Java
General Interfaces	In USB mode: ARH native, Twain, PC/SC and BioAPI 2.0, Acuant AssureIDTM In network mode: HTTP/HTTPS for accessing the reader, WS, WSS, FTP, SFTP, FTPS, SMB, SMTP, WebDav, Local Database for result upload
RFID hardware	Adaptive Recognition RFID hardware (latest generation)
RFID functions	ICAO Doc. 9303 LDS 1.7, ISO 18013 (Driver License) PKI 1.1, BAC, EAC, EAC2.0, PACE, PACE-CAM, AA, PA, TA, CA, BAP, EAP
Authentication included in standard SDK	Authentication included in standard SDK - data consistency checks (MRZ, barcode, RFID), IR B900 ink and UV dull paper check.
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 3.0 (USB 3.1 Gen 1)
Status indicators	OLED graphical display
Firmware Upgrade	USB - optionally via network

# υsmond



#### **Reading Capability**

ICAO MRZ Reading	ICAO compliant documents per ICAO 9303 specification Part 1, Part 1 v1 Part 2, Part 3 and Part 3v3 for Type ID-1, ID-2 and ID-3 MRZ Optical Character Recognition
VIZ Reading	Available with ARH VIZ OCR software
Barcode Reading	1D: UPC-A, EAN8, EAN13, Code39, Code128, ITF, 2D: PDF 417, Data Matrix, QR Code, Aztec Code, Interlaced 2 of 5 ( ITF), AAMVA compliant PDF417 and IATA BCBP
Contactless IC (RFID) Option	Reading and writing contactless ICs according to: ISO 14443 Type A & B, BSI TR-03105 All standardized rates up to 848 Kbps
Contact Smart Card Option	Included

### Mechanical data

Internal processor	Multi-core processor
Size (width × depth × height) / Weight	178mm × 203mm × 157mm / 2.25 kg
Power supply	Universal external power supply, 100-240 V AC, 50/60 Hz
Case	Sturdy ABS-PC plastic & Aluminium

### osmond

Security	Kensington® security slot
Maintenance	Maintenance-free operation
Warranty	3-year warranty (can be extended)
Operating temperature	5 °C to 40 °C (45 °F to 113 °F) Operating humidity 0-90 % (non-condensing)

#### **Adaptive Recognition**



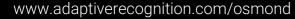
Adaptive Recognition America



Adaptive Recognition **Hungary** 



Adaptive Recognition Nordic Adaptive Recognition Singapore



www.adaptiverecognition.com





#### **Disclaimer**

The information contained in this brochure is provided as is and without any warranties of any kind, whether expressed or implied, including but not limited to, implied warranties of satisfactory quality, fitness for a particular purpose and/or correctness. The contents of this brochure is for general information purposes only and do not constitute advice. Adaptive Recognition does not represent or warrant that the information and/or specifications contained in this brochure are accurate, complete or current and specifically stipulate that certain scanner details and specifications contained in this brochure may differ in available models. Therefore, Adaptive Recognition makes no warranties or representations regarding the use of the content, details, specifications or information contained in this brochure in terms of their correctness, accuracy, adequacy, usefulness, timeliness, reliability or otherwise, in each case to the fullest extent permitted by law.