Passport & ID Reader

Forgery Detection

Product Code: 1550–12–6

WESTMINSTER GROUP PLC

Benefits

All-in-One ID Verification

Displays Results Instantly

Various Illuminations (Infrared, UV, Oblique Light)

Integrated Processing - No PC Connection Necessary

Transfer Results to Any Application

700 PPI Scanning

Overview

The all-in-one intelligent Passport & ID Reader that reads, authenticates and displays results immediately.

User-friendly operation for immediate verification results, appearing on the display for clear feedback. No need for manual typing or being a forgery expert. This new passport reader is built to help your business, maximising ID authentication as well. It virtually takes apart and analyses any ID into layers via various illuminations (infrared, UV and even oblique light) to reliably help with those users who do not have experience in fake ID checks.

Some models of this product line are all-in-one configurations and have integrated processing, therefore negating the need for PC connection to display results. On top of this, the readers act as network units, communicating via Ethernet to transfer the results to any application. It can be your smartphone, a hotel reception or even border control system.

Key Features

Super Fast Reading in Under 1 Second

Scratch-Resistant Glass

IP54 Compliant Design

Useful Within Border Control, Quality Assurance, Self-Service, Banking, Hotel Check-in, E-Gate & Forensic Document Verification Settings

Product Specification

Imaging

Active Scan Area	129 x 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 light
Image Formats	BMP, JPG, JPG2000, PNG
Image Colour Depth	24 bits/pixels [RGB, 8 bits/pixels (IR image)]
Automatic Image Enhancement	Yes – hardware assisted
Automatic Document Detection (ADD)	Yes
Reflection Removal (RR)	Yes
Adaptive Light Control (ALC)	Yes

Reading Capability

ICAO MRZ Reading	ICAO compliant documents per ICAO 9303 specification Part 1, Part 1 v2, Part 2, Part 3, Part 3 v2 for Type ID–1, ID–2, ID–3 MRZ Optical Character Recognition
VIZ Reading	Available with Adaptive Recognition VIZ OCR software
Barcode Reading	1D: UPC–A, EAN8, EAN13, Code39, Code128 and ITF / 2D: PDF 417, Data Matrix, QR Code, Code 128, ITF / AAMVA compliant PDF417 and IATA BCBP
Contactless IC (RFID)	*Optional 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	*Optional contact smart card according to ISO 7816 and EMV 4.2 /4.3, ETSI TS 102 221, supports Class A, AB and C smart cards. T=0, T=1 protocol support

Programming & Interfaces

Supported Operating Systems	In USB mode: Windows & Linux. In network mode: Operating ARH native
Software Development Kit (SDK)	Twain, PC/SC and BioAPI 2.0, Acuant AssureIDTM
Programming Languages	USB mode: C/C++, C#, Visual Basic 6.0, Delphi, VB.NET, Java
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, SAC
Advanced Document Authentication	Data consistency checks: MRZ, bar codes, RFID
Authentication Included in Standard SDK	IR B900 and UV dull paper check, Passport bearer's 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 3.0 or Ethernet (based on reader type)
Status Indicator & Touch Button	OLED graphical display
Firmware Upgrade	Via USB (optionally via network)

Mechanical Data

Internal Processor	Multi–core processor for on–board processing
Size (Width x Depth x Height) / Weight	182 x 200 x 153 mm / 2.25 kg
Power Supply	Universal external power supply, 100–240 V AC, 50/60 Hz
Case	Sturdy ABS–PC plastic & aluminium
Security	Kensington Security slot
Maintenance	Maintenance–free operation
Warranty	3 year warranty
Operating Temperature	5°C to 40°C
Operating Humidity	0–90% (non–condensing)

Network Functions

Supported Protocols	Network interface for Osmond. HTTP/HTTPS, WS/WSS (web socket)
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.