

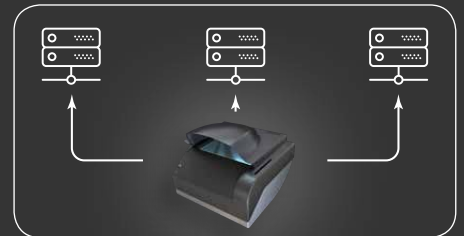
# COMBO SMART N






STANDALONE PASSPORT SCANNER  
WITH NETWORK CONNECTIVITY AND WEB INTERFACE



## ALL-IN-ONE DOCUMENT READER AND VERIFICATION TERMINAL

Combo Smart N (N is short for Network), is an all-in-one ID verification terminal with onboard processing system producing ready-to-use data. Unlike other ID readers that need a local PC connection, it performs every task on its own. This standalone device reads all ID information without a PC or laptop and works perfectly with thin clients. In fact, it is compatible with any kind of environment, making it platform independent. Like an IP security camera, it can be accessed via smartphones, tablets – displaying real time results. Similar to Combo Smart, except its ability to read smart card chips, the reader is able to perform full spectrum authentication and data reading tasks.



 BORDER CONTROL	 QUALITY ASSURANCE	 LAW ENFORCEMENT
 BANKING	 HOTEL CHECK-IN	 MOBILE OPERATORS

### MAIN BENEFITS

- ID data presented in an easily accessible format
- Environment-independent solution for any ID reading purpose
- Thin client support
- Immediate data transfer to selected location
- Solution for high-security IT systems – no installation required
- Supports duplex scanning

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## SPECIFICATIONS

## COMBO SMART N

- onboard ID processing • Wi-Fi/Ethernet • web access • versatile upload protocols • requires no PC

### IMAGING

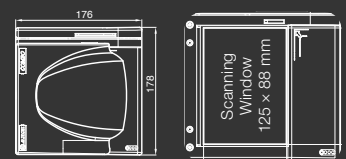
Active Scan Area	125 mm × 88 mm (4.92" × 3.46")
Illumination Sources	LED visible white, IR (B900), UVA)
Image Resolution	500 PPI
Provided Images	Visible, IR, UV (UVA), OVD image, glare-free image
Image Formats	BMP, JPG, JPG2000 and PNG
Image Color Depth	24 bits/pixels [RGB, 8 bits/pixels (IR image)]

### IMAGING / READING FUNCTIONS

Automatic Document Detection (ADD)	YES
Reflection Removal (RR)	YES
ICAO MRZ Reading	ICAO compliant documents per ICAO 9303 specification Part 1, Part 1 <sub>v2</sub> , Part 2, Part 3 and Part 3 <sub>v2</sub> 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 and ITF 2D: PDF 417, Data Matrix, QR Code, Aztec Code From paper-based documents and mobile devices AAMVA compliant PDF417 and IATA BCBP
Contactless IC (RFID)	Reading contactless ICs according to: ISO 14443 Type A & B, all standardized rates up to 848 Kbps
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
Contact Smart Card	ISO 7816 Class A, AB and C, ISO 7816 & EMV2 2000 Level 1
Authentication checks	printed vs. digital data comparison

### COMMUNICATION

Connection type	WIFI, Ethernet
Upload protocols	FTP, SFTP, FTPS, SMTP, WS, WSS
Web interface access	via Firefox, Chrome, IE11, Safari on all operating systems



### MECHANICAL AND OTHER DATA

Size (width × depth × height)	178 mm × 176 mm × 146 mm (7.01" × 6.93" × 5.75")
Weight	1.15 kg (2.54 lbs)
Operating Temperature	5 °C to 45 °C (45 °F to 113 °F)
Operating Humidity	0-95 % (non-condensing)
Power supply	universal 100-240V AC, 50/60Hz
Case	Sturdy ABS-PC plastic and metal
Status indicators	Four programmable status LEDs (blue, green, yellow, red)
Security	Kensington® security slot
Window glass	4 mm (0.16") tempered glass
Compliances	FCC, CE, WEEE, RoHS
Maintenance	No moving parts, maintenance-free operation
Firmware Upgrade	via Web interface
Warranty	3-year warranty, upgradeable



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