



## Overview

Pegasus PP20 full-page passport reader named national id scanner is a document information collection device with rich functions and novel design. It has industry-leading image processing, OCR text recognition, artificial intelligence, radio frequency identification (RFID), etc.. Algorithm technology can quickly and accurately identify more than 80 types of document information and national ID cards information support automatic sensor triggering of documents, automatic classification, and simple operation.

## Benefits

1. Full page, one step reading of visual data page and RFID data of ICAO standard travel documents and cards.
2. Easy and fast operation by lay-on type scanning of e-passports
3. Fast recognition speed and low error rate of passport OCR character and RFID data
4. Support for multi-function: full page scan, certain image extraction, OCR, character recognition, IR or UV illumination, and RFID reading
5. No moving parts, robust, minimal maintenance cost
6. Compact design, easy to mount in a kiosk

<p>Illumination sources</p>	<p>Visible, IR (850nm)</p>
<p>Anti-glare</p>	<p>Elimination of glare holographic anti-counterfeiting film &amp; reflection of light</p>
<p>Image Acquisition</p>	<p>Active scan area: 127mm x 88mm , CMOS, 500 Megapixels (2592*1944)</p>
<p>Imaging</p>	<p>Color Depth: 24 bits/pixels , Reso: 500 DPI, Image Format: JPEG, BMP, PNG</p>
<p>Crop for Headshot</p>	<p>Cropping of a document headshot image from a general image</p>
<p>OCR Recognition</p>	<p>Support extract data &amp; image from ICAO 9303 Standard compliant documents &amp; other Non-ICAO 9303 Standard compliant doc, like ID card, Driver's License, Passport, Exit -entry Permit to HK/Macau, and etc. by OCR</p>
<p>Barcode</p>	<p>1D: Code 128, Code 39, EAN -13, and etc. 2D: PDF417, QR, DataMatrix™, and etc . Scanning speed less than 1 second</p>
<p>RFID</p>	<p>Read and write contactless ICs according to ISO/IEC 14443 -S (Type A/B) Support e-passport Basic Access Control (BAC)&amp;Extended Access Control (EAC) Support active/passive authentication .</p>
<p>Machine Readable Zone</p>	<p>ICAO 9303 Standard compliant documents: ID-1, ID-2, ID-3, Non-ICAO 9303 Standard compliant doc issued by China</p>
<p>IP Rating</p>	<p>IP50</p>
<p>Data Communication</p>	<p>Compatible USB 2.0, USB 3.0, PC/SC</p>
<p>Communication Speed</p>	<p>Up to 848kbps</p>
<p>Auto-trigger</p>	<p>Automatic detection of a document in a scanning area</p>
<p>Auto-classification</p>	<p>Automatic recognition of a ID document type</p>

Status Indicators	Four status indicator LEDs (for Power, Ready, Error, and Warning) Support customize indicators
Sound	Buzzer
Software	Complete OCR SDK including DLLs, OCXs, Websocket, and Demo program Programming Language: VC, VB, C#, Java, etc. Provide OCR SDK for Linux.
Power	Input AC 100~240V 50~60Hz, 0.8A Output: DC 12V, 2A
Environmental	Humidity: 20% to 95% non-condensing Temperature: Operating: -10°C to 50°C Storage: -20°C to 50°C
OS compatibility	Windows® 2000 -SP4, Windows® XP , Windows® Vista, Windows®7, Windows®8, Windows®10, and Linux®
Hardware	Dimension: 198*175*138mm Net Weight: 1.25Kg Gross Weigh t: 1.75Kg

