

# UNIONOVO PN I



## A2+ professional high-speed book scanner



ZC IMAGING  
DIGITIZATION & SOLUTIONS

ZCLP IMAGING DIGITIZATION&SOLUTIONS CO., LIMITED

### Product Advantages:

- Less cost, less waste, high-tech environment-friendly product
- High price performance ratio; save budget
- Portable design, easy to install



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Website: [www.zclp.com](http://www.zclp.com) ADD:15# 101 NO. 2 Jinhuan Road, Jinshan, Fuzhou, Fujian, China

➤ Maximum protection of books:

Overhead design, no need to tear the books apart;

No need to put the files or books upside down; only need to put the materials on the book bracket

Bracket can automatically adjust the left and right height book pages, do not worry about the book spine bending

Luminescent LED with even lights; light intensity is over 600 LUX; CRI $\geq$ 80; no ultraviolet ray; able to protect the rare books to the largest extent

➤ Top scanning quality & extremely high OCR recognition accuracy

➤ Generate XML metadata which is convenient for filing and searching books

➤ **Fast scanning; 3 seconds/page or 3 seconds/2 page**

➤ **Automatic capture boundary, Automatic deskew**

➤ **Able to output 100-600 DPI color, gray level or black and white images**

➤ **Max. scanning size: 650x460mm; Max. thickness: 130 mm**

➤ **ICC image correction which can improve image quality**

➤ **Support single page, multiple page, PDF, JPG, JPG 2000, TIFF, BMP, RAW and other formats of output**

➤ **Powerful file management function; easy to insert, replace and delete without worrying about file name issue**

➤ Automatic book bracket can automatically adjust the height of the books on the left and the right sides; no need to worry about bending the book spines

➤ Automatic page capture & tilt correction



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- Diverse accessories available, such as the automatic scanner, laser focuser, software time switch, USB foot switch USB keyboard etc.; convenient and fast
- Real-time scanning direction adjustment; suitable for books with different printing directions
- Camera parameters can be easily set in order to achieve the best performance
- Support bar code scanning, facilitating the establishment of books database
- More camera support, such as Nikon,Phase One,Hasselblad camera , to meet different
- budget
- Free region selection can greatly shorten the time of post processing
- Automatic focusing based on the preset time; always keep the images clear
- Automatic exposure control & color correction
- Patented design; good appearance
- Real-time preview function; can be used as a 3D object display platform
- Provide software remote assistance; no further trouble
- Ergonomics design is suitable for long-time operation
- Simple maintenance; easy operation

## **About UNIONOVO PNI**

UNIONOVO PN1 is a new A2+ professional book scanner. It is suitable for A2+ books, drawings, magazines and scrolls.



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It is the first choice for professional occasions including ancient book protection and industrial drawing scan. It applies the overhead and single scanning system design. It is equipped with an automatic book bracket which is able to adjust the height of books and it avoids bending the book spines. Luminescent LED with no ultraviolet ray or infrared ray will not cause radiation damage.

It has touch button and it can achieve high-speed scanning; the scanning speed can reach 3 seconds per page or 3 seconds for 2 pages; this speed is leading the industry.

UNIONOVO focuses on high quality and high performance price ratio products.

UNIONOVO book scanners are widely used in research institutions, government departments, banks, land resources, mapping, machinery, art, printing and publishing, graphic simulation replication, ancient protection centers, courts and so on.

Quality, convenience, efficiency—UNIONOVO provides comprehensive services for you!

## Technical parameters:

| Project              | Parameter   | Project    | Parameter                       |
|----------------------|---|------------|---------------------------------|
| Scan Speed           | 3 seconds / page (two pages)                              | Output     | JPEG, TIFF,PDF,RAW and PDF/A    |
| Chip                 | Production type:53 MP<br>(8688 x 5792) HD scanning system | Opac input | ISBN, ISSN, signature, bar code |
|                      | Standard type:24.2 MP<br>(6000 x 4000) HD scanning system |            |                                 |
| Camera configuration | Single camera   |            |                                 |



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|                           |   |                    |   |
|---------------------------|---|--------------------|---|
| Resolution                | 100-600Dpi, color, gray, black and white image  | Communication      | USB 2.0/3.0   |
|                           |   | Certification      | CE,3C   |
| Media Size                | 650x452mm ,Max. thickness 130mm   | Power              | Standard 120-240 VAC, 50/60 Hz 15 Amp socket  |
| Lighting system(Optional) | no ultraviolet ray or infrared ray<br>luminescent LED<br>light intensity is over 600 LUX<br>color rendering index $\geq$ 80<br>(up to IEC60825-1 International safety standard) | OS                 | Windows 7,XP(Sp3)   |
| Product Dimension         | 65(120Including Lamp)x 64 x 100.7 CM (W x D x H)  | System requirement | 2G Hz processors<br>3 GB RAM<br>40GB hard disk<br>19" flat panel monitor  |
| Packing Size              | 70x 70 x 45 CM (W x D x H)  | Basic Package      | UNIONOVO PN I scanner<br>UNIONOVO Capture software<br>UNIONOVO Editor software<br>Flat transparent draft pressure device<br>adjustable base<br>Luminescent LED<br>53 MP HD scanning system x1<br>automatic scanner<br>laser focuser<br>AC power adapter x2<br>USB HUB<br>anti-dazzle shelter<br>USB foot switch |
| Product Weight            | 45KG  | Optional           | ABBYY OCR digital software<br>one Intel quad-core 3.40GHz,<br>Intel z77 chip set, 2*4G<br>memory, 500G, 22 wide screen<br>LCD,<br>barcode scanner   |
| Packing Weight            | 65KG  | Warranty           | 12Months  |





## Compatible cameras and lenses



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| Cameras  | Scanning A4 to<br>A3   | Scanning A3 to<br>A2   |
|--|--|--|
| Canon EOS 1100D (T3)<br>Canon EOS 1000D (XS)<br>Canon EOS 700D<br>Canon EOS 750/760D<br>Canon EOS 5DS/5DS R<br>Canon EOS 600D (T3i)<br>Canon EOS 550D (Rebel T2i)<br>Canon EOS 500D (T1i)<br>Canon EOS 450D (Rebel XSi)<br>Canon EOS 60D<br>Canon EOS 50D<br>Canon EOS 40D<br>Canon EOS 7D |  <p>EF50MM</p> <p>(e.g. EF50MM F/1.8 II)</p>  |  <p>EF35MM</p> <p>(e.g. EF35MM F/2.0)</p>     |
| <p><b>Full frames cameras</b></p> Canon EOS 5D Mark II<br>Canon EOS 5D Mark III<br>Canon EOS 1D Mark III<br>Canon EOS 1D Mark IV<br>Canon EOS 1Ds Mark III<br>Canon EOS 1D X   |  <p>EF85MM</p> <p>(e.g. EF85MM F/1.8 II)</p> |  <p>EF50MM</p> <p>(e.g. EF50MM F/1.8 II)</p> |

## Accessories:

USB Foot Switch (Optional)



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USB foot switch to improve the ergonomics and operating comfort.  
Scanning fragile ancient books can be operated with both hands, offering the maximum protection of the books



#### USB keyboard(Optional)

USB keyboard shortcut functions to enhance the scanning speed



#### Cold flat-panel LED lamp



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Cold flat-panel LED lamp produces no ultraviolet light, light uniformity, producing high quality scanning image; it also gives good protection to books.



#### USB Auto Capture Switch(Optional)

Auto Capture Switch controls the camera to scan the current page after through an optical sensor detecting the movement of the V-shaped state, and in each V-shaped frame movement the signal passing through the USB cable to the computer.

The delay times can be set by software with Unionovo Capture.



#### Color Test Chart(Optional)



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The material is Plastic sheet.



USB Laser Lamp(Optional)

Contact to Computer via USB can be used.



## Packing



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Crate packing

## Software Requirements

Windows 7,8 Vista, XP with Service Pack 3 or later  
CPU 3,2GHz or higher



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RAM 2GB minimum  
500GB available disk space  
1024 x 768 resolution monitor

UNIONOVO-CP, UNIONOVO-CN, UNIONOVO-PN and UNIONOVO-KN series are semi-automatic book scanners produced by ZCLP IMAGING DIGITIZATION & SOLUTIONS CO., LIMITED. These solutions can prevent books from being torn apart and prevent book spines from being damaged, so that they can protect rare books to the largest extent. There is no curvature on the book spine so you do not need to correct curvature. As a result, these scanners can achieve fast speed.

So far, UNIONOVO scanners have become the first choice of university libraries, public libraries and archives around the world. Innovation is our continuous pursuit. Every year we create new products to meet requirements of customers all over the world. Currently, our products can be applied in scanning large quantities of different sizes of books, scrolls, maps, historical archives, adhesive binding books and so on.

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**Thank you for purchasing UNIONOVO products!**



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