

UNIONOVO PN II



A2+ professional high-speed book scanner



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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- 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≥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 with double scanning systems,2pages only 3second**
- **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
- Diverse accessories available, such as the automatic scanner, laser focuser, software



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time switch, USB foot switch USB keyboard etc.; convenient and fast

- Real-time scanning direction adjustment; suitable for books with different printing directions
- Support bar code scanning, facilitating the establishment of books database
- Camera parameters can be easily set in order to achieve the best performance
- 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
- More camera support, such as Nikon,Phase One,Hasselblad camera , to meet different budget
- 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 PN II

UNIONOVO PN II is a new book scanner with double scanning system for A2+ sizes. Its maximum scanning size can be 650x460 mm and its maximum scanning thickness can be 100 mm.

It can be applied for large books, files, maps and drawings. It applies the overhead and double scanning system design as well as an automatic book bracket which is able to adjust



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the height of books and avoids bending the book spines. Scanning by double scanning system will achieve higher resolution and higher OCR recognition. Its double luminescent LED lights supply over 600 LUX light intensity; the lights contain zero ultraviolet ray and zero infrared ray and it will not cause any radiation damage. It has touch buttons and it can reach 3 seconds 2 pages. Ergonomics design can make long-time operation comfortable.

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.

Technical parameters:

Project	Parameter	Project	Parameter
Scan Speed	2 pages/3 seconds	Output	JPEG, TIFF,PDF,RAW and PDF/A
Chip	Production type:53 MP (8688 x 5792) HD scanning system	Opac input	ISBN, ISSN, signature, bar code
	Standard type:24.2 MP (6000 x 4000) HD scanning system		
Camera configuration	Double cameras		
Resolution	100-600Dpi, color, gray, black and white image	Communication	USB 2.0/3.0
		Certification	CE,3C
Media scan 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 luminescent LED light intensity is over 600 LUX	OS	Windows 7,XP(Sp3)





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	color rendering index \geq 80 (up to IEC60825-1 International safety standard)		
Product Dimension	65(120Including Lamp)x 64 x 100.7 CM (WxD xH)	System requirement	2G Hz processors 3 GB RAM 40GB hard disk 19" flat panel monitor
Packing Size	70x 70 x 45 CM (W x D x H)	Basic Package	UNIONOVO PN II scanner UNIONOVO Capture software UNIONOVO Editor software Flat transparent draft pressure device adjustable base Luminescent LED
Product Weight	45KG	Optional	53 MP HD scanning system x2 laser focuser AC power adapter x2 USB HUB anti-dazzle shelter USB foot switch ABBYY OCR digital software Barcode scanner
Packing Weight	65KG	Warranty	12Months

Compatible cameras and lenses



Cameras	Scanning A4 to A3	Scanning A3 to A2
Canon EOS 1100D (T3) Canon EOS 1000D (XS) Canon EOS 700D Canon EOS 750/760D Canon EOS 5DS/5DS R Canon EOS 600D (T3i) Canon EOS 550D (Rebel T2i) Canon EOS 500D (T1i)	 EF50MM (e.g. EF50MM F/1.8 II)	 EF35MM (e.g. EF35MM F/2.0)




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Canon EOS 450D (Rebel XSi) Canon EOS 60D Canon EOS 50D Canon EOS 40D Canon EOS 7D		
Full frames cameras Canon EOS 5D Mark II Canon EOS 5D Mark III Canon EOS 1D Mark III Canon EOS 1D Mark IV Canon EOS 1Ds Mark III Canon EOS 1D X	 EF85MM (e.g. EF85MM F/1.8 II)	 EF50MM (e.g. EF50MM F/1.8 II)

Accessories:

USB Foot Switch (Optional)	
<p>USB foot switch to improve the ergonomics and operating comfort.</p> <p>Scanning fragile ancient books can be operated with both hands, offering the maximum protection of the books</p>	
USB keyboard(Optional)	



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USB keyboard shortcut functions to enhance the scanning speed



Cold flat-panel LED lamp

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)



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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)

The material is Plastic sheet.



USB Laser Lamp(Optional)



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Contact to Computer via USB can be used.



Packing



Crate packing

Software Requirements

Windows 7,8 Vista, XP with Service Pack 3 or later



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CPU 3,2GHz or higher
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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