



Hybrid Scanning Systems
TWO DEVICES - ONE SOFTWARE



Hybrid Scanning Systems

A Must for digitization centers

TAKE ADVANTAGE OF THE BENEFITS

- Complete system: get both devices from the same provider
- A combined workstation with flexible installation options
- A wide range of formats up to A0
- Document security and guaranteed scan quality while increasing the productivity at the same time
- Increase productivity of your project
- The same software for both devices: you can save all scans in the same software in the order you want
- You have the option of further processing the images conveniently by exporting, renaming or sorting
- Only one contact for service and maintenance

RESOURCE FRIENDLY TECHNOLOGY

Economy and sustainability: an outstanding and flexible scanning system at an economical overall price. As with all systems in the **book2net** series, in addition to cost-effectiveness, the highest value was placed on taking ecological aspects into account during production and using sustainable, resource-saving materials and technologies.

The hybrid scanning solutions by **book2net** combine the advantages of two scanning worlds in a most convenient way: the contactless, gentle capturing of planetary scanners and the productivity of document scanners.

This makes them particularly suitable for the requirements of extensive retro-digitization projects in archives, libraries and digitization centers.

COMFORTABLE WORKFLOW FOR COMPLEX PROJECTS

Our hybrid scanning systems are the ideal solution for digitizing heterogeneous document stocks, which include bound and stapled originals as well as loose sheets. Use the convenient combination of two scanning worlds: a **book2net** planetary scanner (A1 / A2) for fragile, bound or stapled originals and an A3 SCAMIG document scanner for single sheets or loose stacks of sheets.

The scanning software of the planetary scanner serves as an interface for both scanners. Hence, you always receive all scans from both units in the correct order and can easily export them combined and feed them into further workflows. Time-consuming work steps such as merging individual scans from different devices are no longer necessary. This increases productivity significantly without compromising the quality and care in handling your documents.

SOFTWARE

One software for both scanners: Easy Scan Professional, the scanning software of the planetary scanner, also serves as an interface for the high-performance document scanner. The simple switching of the input source in the scan interface enables both bound templates and loose sheets to be digitized extremely efficiently and productively. You will always receive all scans from both devices in the correct order, allowing you to export them combined and to add further workflows. By attaching a color profile, it is possible to generate color-accurate scan files.

Further features: Intuitive scan application with integrated image enhancement for the extended requirements on production scanning including scan to USB, scan to print (automated), thumbnails (insert, delete, view), frame setting, page splitting, left side, right side, center adjustment, contrast regulation, zoom function, print cut-out, USB capacity display, multipage. Output formats: TIFF, JPG, PDF (single & multipage). Color formats: Color, Greyscale, B/W. Job functions (save, load, edit), thumbnail directory & archive, processing of archived jobs.

BOOK2NET PLENETARY SCANNERS

All **book2net** scanning systems are manufactured to industrial standards, making them particularly durable and low-maintenance. But that's not all: Thanks to our specially developed sensors, they are more than just one step ahead of the times. That's because the innovative technology delivers top results at breakneck speed - and is intuitive to operate.

Equipped with a high-resolution CMOS camera, it offers not only exceptional image quality, but also exceptional productivity at the same time.

X71 CAMERA

The X71 not only sets new standards in the field of modern digital cameras, it is also the heart of all our scanners. Our CMOS sensor technology is the key element of the system and enables high-resolution capturing of archive materials, books, cards, seals and objects of various sizes and structures.

The X71 camera is characterized by first-class image quality, flexible handling and an incredible scanning speed.

LED-ILLUMINATION

All **book2net** scanners are equipped with an LED lighting system, providing a stable color temperature during the scanning process and thus guaranteeing true color reproduction.

Thanks to the Fresnel lenses, evenly illuminated scanning area ensured. The LED light sources are glare-free and UV / IR-free, so that there is no radiation exposure for the user in accordance with EN60825-1.



OPTICS

- Schneider-Kreuznach Precision optics
- High Depth of field
- Brilliant color accuracy
- Perfect linearity
- Distortion-free
- Longevity guaranteed

HOCHLEISTUNGS-SENSOR

- High-resolution matrix sensor
- 0.3 sec. scanning time (double page A2, color @ 300 dpi)
- 2.2 sec. processing time (scanning - imaging - storage)
- USB 3.0 interface
- Optimized for OCR applications

TRUE COLOR MANAGEMENT

Color accurate directly from the camera: the true color management is unique. Directly from the camera, it is possible to generate color accurate scans according to the color spaces sRGB, Adobe 1998 RGB, ECI RGB V1 and ECI RGB V2 and thus easily meet all requirements of digitization guidelines, specifications and standards.

The great advantage of True Color: Unlike the creation of an ICC profile which is calculated by a "calibration software" using a 24-bit color scan of an X-Rite Color Checker, True Color uses the advantage of all calculations and adjustments in-house Imaging area of the camera with a color depth and analysis depth of 48 bits. Colors are captured even more precisely and signal noise is minimized.

The result: METAMORFOZE, FADGI and ISO / TS 19264-1: 2017 compliant scan results.

light [A2+]



Archive pro [A1/A2]



BOOK2NET SCAMIG DOCUMENTSCANNERS

Fast, durable, reliable and with a throughput of up to 210 documents per minute, the SCAMIG documentscanners guarantee a continuous 24/7 operation. With a space-saving and high-grade design, it is the smart and sustainable choice for day-to-day high-performance and best quality scanning of your documents.

Developed for 24/7 operation and 100 percent made in Germany, the SCAMIG 210 sets standards for document throughput, scan quality, process efficiency and user friendliness. It masters your recurring or ongoing large-volume scan projects conveniently at the push of a button: from incoming mail scans to archiving and commercial scanning services.

In combination with our **book2net** planetary scanners, the SCAMIG scanners are the ideal partner for hybrid scanning solutions in order to guarantee a smooth and comfortable workflow even for projects with a wide variety of templates.

HIGHLIGHTS

- Resolution up to 600 dpi (optical)
- Scan technology: CCD camera technology
- Scanning speed: up to 210 pages/minute
- Scanning speed regulation: adjustable in steps
- Unique slow-down option for the most fragile archival material
- Connection: USB 3.0 compatible
- Recommended daily volume: no limit
- Light source: white LEDs
- Document width: 56 mm to 317.5 mm (A3 +)
- Document length: 60 mm to 1,950 mm (in long document mode)
- Paper thickness and weight: 30 g/m² – 800 g/m²
- Maximum stack height: 75 mm (approx. 750 sheets at 80 g / m²) definable via profile
- Sensor detected input and flow control
- Single sheet input for processing the most fragile documents

SLOW DOWN-FUNCTION

The unique slow-down function enables critical and fragile documents to be scanned damage-free at an adjusted, reduced speed.

PERFORMANCE UPGRADE

All **book2net** SCAMIG scanners can be easily upgraded. Increasing scan volumes can thus be compensated for directly by increasing the performance. This guarantees investment and project security and also promotes sustainability.

SCANNER PERFORMANCE SCAMIG 210

Specifications for bitonal/color 200/300 dpi	SCAMIG 210-1	SCAMIG 210-2	SCAMIG 210-3	SCAMIG 210-4
SIMPLEX A4 landscape format	120 pages/min. 120 pages/min.	150 pages/min. 150 pages/min.	180 pages/min. 180 pages/min.	210 pages/min. 210 pages/min.
DUPLEX A4 landscape format	120 pages/min. 240 pages/min.	150 pages/min. 300 pages/min.	180 pages/min. 360 pages/min.	210 pages/min. 420 pages/min.

SCANNER PERFORMANCE SCAMIG 150

Specifications for bitonal/color 200/300 dpi	SCAMIG 150-1	SCAMIG 150-2	SCAMIG 150-3	SCAMIG 150-4
SIMPLEX A4 landscape	90 sheets/min. 90 pages/min.	120 sheets/min. 120 pages/min.	150 sheets/min. 150 pages/min.	170 sheets/min. 170 pages/min.
DUPLEX A4 landscape	90 sheets/min. 180 pages/min.	120 sheets/min. 240 pages/min.	150 sheets/min. 300 pages/min.	170 sheets/min. 340 pages/min.

PERFECT DOCUMENT TECHNOLOGY

Perfect Document Technology for full image processing directly within the scanner: including gamma correction, bicubic skew correction (deskew), black border removal (cropping) and dynamic binarization for perfect black and white images. In addition, Perfect Document Technology offers functions such as multistreaming (for the simultaneous output of color, gray and black and white images), automatic blank page detection, text-oriented alignment, automatic color detection, patchcode-controlled color switching and much more.

COLOR MANAGEMENT

The **book2net** SCAMIG scanner adhere to the digitization guidelines FADGI as well as to ISO/TS 19264:1 2017 standards.

SCAMIG 210 [A3+]



SCAMIG 150 [A3+]

TECHNISCHE DATEN

X Matrix-Sensortechnologie

Sensor:	High-performance area sensors (book2net Planetary scanners)
Optics:	Schneider-Kreuznach Precision optics (book2net Planetary scanners)
Shutter:	No shutter mechanics
Illumination:	Coldlight LED-technology with integrated Light-Control-System (LCS)
Resolution:	300 dpi / 400 dpi / 600 dpi Device-dependent
Depth of field:	up to 12 cm
Scan time:	0.3 seconds for A2 color at 400 dpi
Process time:	2.2 sec. (scannen + transmitting + storing)
Template size:	up to A0
PC Interface:	USB 3.0
Software:	Intuitive professional software with advanced functionalities for job management, imaging and post processing
Color depth:	48 bit color; 24 bit color, 16 bit gray, 8 bit gray; 1 Bit b/w
File formats:	TIFF, JPEG, JPEG 2000, PDF, PDF-A, Multipage PDF and Multipage TIFF
Output:	sRGB, Adobe 1998 RGB, eciRGB V1/V2, Wide Gammut, ProPhoto and according to ICC standard
Safety standard:	CE EMV

Remote maintenance possible.
Technical changes reserved.

