



Archive Pro

The book2net Archive Pro – as versatile as the collections in the archives themselves. Technical refinements, ease of use and excellent results make scanning a pleasure.

Archive Pro **A1** | 101993



Archive Pro **A2** | 101821



Features

High-performance sensor

- Global shutter CMOS area sensor
- Electronic wear-free shutter
- M70 or M150 camera
- 0.3 sec. scanning time (A1 color at 300 ppi)
- 3.5 sec. processing time (scanning + imaging + storage)
- USB 3.1 Gen. 1 interface

LED lighting

The LED light source is glare-free, ozone-free and UV/IR-free, so there is no radiation exposure in accordance with EN60825-1. The low light exposure of less than 2,500 lux and a service life of over 50,000 operating hours also meet the highest conservation and ecological requirements.

Fresnel lens system:

The Fresnel lenses specially developed for the book2net lighting units ensure perfect light distribution. Unwanted and disruptive gradients and reflection effects, which can occur on very bright or dark surfaces and on glossy materials, are thus avoided.

3-sided lighting concept:

The Archive Pro System can be equipped with a 3-sided lighting system on request, which allows individually customized lighting scenarios to be programmed (e.g. raking light, back light).

Two operating modes:

- Flash: The lamps brighten slightly for the scan, then reduce their intensity again immediately after the scan. This prevents the room from heating up, which is often a nuisance with continuous light, and at the same time considerably extends the service life of the lighting units.
- Permanent light: On request, it is possible to work with a higher "lamp bias voltage", which eliminates the "brightening effect" if it is perceived as disturbing.

Motorized book cradle

The extraordinary book cradle concept is another highlight of this solution. The book cradle has a height adjustment of 35 cm and therefore realizes scanning even the thickest books and files under glass.

Especially unique is how each side is steered by its own precision motor. This is an indispensable aspect, especially with delicate documents such as letters with seals which need different heights levels to be scanned without damage.

Infinite fine regulation and a 3-step pressure setting with integrated pressure control are further outstanding features and ensure a safe scanning process for your archive materials without damages. The format-optimized lowering automatics complete the concept and optimize the bookcradle's path when lowering after a scan. Hence, the system's throughput can be exploited completely.

3 in 1 glass plate

Mode 1: 180° operation with firmly locked glass plate

This operating mode is always indispensable when high speed production is required with variable pressure and the greatest possible ease of use. There is no alternative, especially for archive files and highly wavy originals.

With this mode, users have both hands free to smooth or straighten originals, for example, while the book cradle with pressure monitoring is motorized from below against the glass pressure.

Mode 2: Self-opening

This operating mode is particularly suitable for files and books up to approx. 10 cm thick that require little manual intervention, such as flattening or holding down wavy pages.

Once the book cradle has been set to the desired height, the glass plate opens automatically after each scan and can be closed again manually after the pages have been turned. Thus, the production speed is also very high.

Mode 3: Motorized opening and closing (optional)

This operating mode is an optional feature. Equipped with a precision motor, the glass plate can be closed by foot switch and opens again automatically after the scan. The opening angle can be adjusted to the format size in order to make the best possible use of the system's production speed.

Intuitive scanning software

- Live View Professional
- Automatic cropping & alignment
- Page separation
- Job management, image editing and post-processing

Color management

True color from the camera: True color management is unique. Directly from the camera, it is possible to generate color-accurate scans according to the sRGB, Adobe 1998 RGB, ECI RGB V1 and ECI RGB V2 color spaces 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 from an X-Rite Color Checker, the true color management takes advantage of the fact that all calculations and adjustments are carried out in the internal imaging area of the camera with a color and analysis depth of 48 bits. Colors are matched even more precisely, and signal noise is minimized.

The result: METAMORFOZE, FADGI and ISO/TS 19264-1:2017, ISO/TS 19264:1 2021, ICC standard compliant scan results.

Options

Software Upgrade OCR | LiveControl | 102859

Enables scans and digital photos to be converted into searchable and editable documents.

Camera M150 | 102636

High-resolution 152-megapixel CMOS camera, for use in the fields of repro photography and digitization

Fully automatic column control | 102781

Fully automatic motorized control of the height-adjustable camera unit; loading the corresponding calibration for the preselected format position, automatic focus adjustment. All settings are loaded with a click in the software and the changeover to a different format takes place without further manual adjustment.

Motorized glass plate A1 | 103110 – A2 | 103147

Equipped with a precision motor, the glass plate can be closed with a foot switch and opens again automatically after the scan. The opening angle can be adjusted to the format size in order to make the best possible use of the system's production speed.

24" touchscreen | 100017

Viewing angle independent touchscreen T2454MSC-B1AG, 24", mounted on the column in the operator's direct field of vision (reduced height settings of the selectable format positions, optional side mounting without restrictions)

ColorChecker Digital SG | 100293

For color calibration with 140 color patches

ColorChecker Digital SG spectrally measured | 103099

Spectrally measured ColorChecker SG with 140 color patches including measured value table for optimum color calibration results

Archive Pro

Technical Data

Sensor	High-performance CMOS area sensor		
Optics	Schneider-Kreuznach precision lens		
Shutter	No shutter mechanism		
Illumination	Cold light LED technology with integrated Light Control System (LCS)		
Resolution		M70	M150
	A1	300 ppi	400 ppi
	A2	400 ppi	600 ppi
	A3	600 ppi	900 ppi
	A4	800 ppi	1200 ppi
	A5	1200 ppi	1800 ppi
Depth of field	8 cm		
Scanning time	0.3 seconds		
Processing time	3.5 seconds (scanning + imaging + storage)		
Original size	A1: 860 mm x 645 mm A2: 645 mm x 460 mm		
Spine exemption	25 cm for A1 / 14 cm for A2		
Interface	USB 3.1 Gen. 1		
Software	Easy Scan / bookScan intuitive software with advanced functions for job management, image editing and further 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, ProPhoto and according to ICC standard		
Dimensions A1	1300 (1900*) x 1005 x 2800 mm (w x d x h) *incl. lighting left and right		
Dimensions A2	1100 (1600*) x 850 x 2100 mm (w x d x h) *incl. lighting left and right		
Weight	approx. 250 kg		
Connection values	100 V - 240 V, 47 Hz - 63 Hz		
Power consumption	Standby 50-75 W, operation 69-125 W		
Safety Standard	CE / EMV / CCC / SASO		

Maintenance possible via remote service
Subject to technical changes

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