



Archive Pro [A1/A2]

Ergonomics, user comfort & quality

Archive Pro [A1/A2]

Outstanding features
exceeding your expectations

Resource Friendly Technology

Economy and sustainability: an extraordinary and flexible scanning system at an economic price.

Like in all **book2net** systems a lot of attention was paid to an ecological production and the choice of sustainable, resource friendly materials.

book2net HD Camera

The **X71** camera defines exceptional highlights in the area of modern digital camera technology.

Our CMOS sensor technology is the system's key technology and realizes high resolution shots of archive materials, books, maps, seals and objects of different size and structure.

First-class image quality, flexible handling and a breathtaking throughput in scans make the **X71** unique.



Scanning files, books and large scale templates up to DIN A1 poses special challenges for the scanning system and the user in regard to care, quality, and productivity. Especially ancient, delicate and valuable files and books need careful and conservational treatment, while demanding a high amount of system flexibility.

The repositment **book2net Archiv pro A1/2** with height adjustable camera slider offers this flexibility and combines the advantages of high resolution, productive A1 scan systems with those of versatile repositments. Formats from A1 to A5+ and a resolution of 1200 ppi characterize this unique system and allow for it to meet all requirements perfectly.

X71 Motorfocus, Control Unit and Remote Control

Always in focus. Specially developed for the X71's optics and in focus with the press of a button. The **X71** motor focus realizes scanning at perfect image sharpness regardless of format position (DIN A1 - DIN A5).

Even objects with deeper structures (such as seals) which need an adjustment of the „sharpness level“ can be processed without a problem. A fine regulation with video preview and digital focus value display allows comfortably adjusting the focus level.

LED Lighting Units with Fresnel Lens System

Professional UV/IR and ozon free lighting system. Highest conservational and ecological demands are fulfilled with light load of less than 2.500 lux and a lifetime of over 50.000 working hours.

Another essential technological advantage over other developers' lighting units is the for **book-2net** light units developed Fresnel lens. They ensure perfect light distribution and an even illumination. Unwanted or disturbing gradients and reflections which usually occur in very bright or dark areas or shiny materials are avoided.

Two operating modes

1) „Flash“: The lighting units will brighten up during the scan and reduce their intensity after the successful scan. Permanent light induced heating of the room is avoided and the lifetime of the units is extended.

2) „Permanent light“: On request it is possible to work with a higher „light prestressing“, in order to eliminate the „flash“, which might be perceived as disturbing.

Motorized hight adjustable camera slider

Flexible, yet always perfect color and quality.

Flexible, yet always perfect color and quality. This feature is unique in the area of A1 scanners and ensures a great diversity and outstanding qualities in an optic resolution of up to 1200 ppi.

The different format positions (DIN A1 to DIN A5) can be selected comfortably. Simply selecting the format marks (picture on the right) of the intuitive software and loading the according color profiles and adjustment parameters is a unique possibility.

The result: full-format images in perfect quality and the highest possible resolution.

Control-Center Consisting of EIZO 27“ Monitor and Controller

Ergonomics and user comfort are paramount. The possibility to attach a monitor directly in the user's line of view was a customer request which we gladly incorporated. User comfort is hence increased and the preview of the scan as well as the result of the scan can be inspected immediately on the screen.

Optionally, MICROBOX will provide a controller PC system of the latest Microsoft and Intel technology along with the equipment. The PC system is optimized to ensure a cycle time of less than 3,5 seconds.

True Color Management

As of the camera true to color: our unique true color management.

Beginning at the camera it is possible to generate scans true to sRGB, Adobe 1998 RGB, ECI RGB V1 and ECI RGB V2 and thereby produce scans according to digitization guidelines, specifications and standards effortlessly.

The huge advantage of True Color: In comparison to the generation of an ICC-profile (which is calculated with a 24 bit color scan of an X-rite color checker by a calibration software) True-Color conducts all calculations and adaptations in the internal imaging area of the camera with a color and analysis depth of 48 Bit. Colors are displayed even more accurately and signal noise is minimized.

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



Gentle 3in1 glass pressure

An extraordinary feature
is the diverse 3in1-use
(3 operation modes) of the
glass pressure concept.

Mode 1) 180° operation with a fixed glass plate

This mode is indispensable when high speed, varying pressure and the best possible user comfort are required. Especially with archive files and wrinkled templates there is no other option.

The advantage is that both of the user's hands are free to straighten out the template or adjust its position as the - motorised and pressure controlled - book cradle moves up to the glass plate.

Mode 2) Self-opening

This operation mode is suited for files and books of 10cm thickness which only require little manual handling like straightening out pages or holding the template down.

Once the height of the bookcradle has been adjusted, the glass plate opens automatically after every scan and can be closed manually for the next scan. The throughput is very high here as well.

Mode 3) Motoric opening and closing (optional)

This operation mode is an optional service. Equipped with a precision motor, the glass plate can be closed with a foot switch and opens automatically after the scan.

The opening angle can be adjusted to the template size to optimize throughput.





Motorized Book Cradle

The extraordinary book cradle concept is another highlight of this solution. The book cradle has a height adjustment of 20 cm and therefore realizes scanning even the thickest books and files under glass. Optionally, the system can be equipped with a 35 cm bookcradle.

Especially unique is how each side is steered by its own precision motor. This is an indispensable aspect, especially with delicate templates 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.

TECHNICAL DATA

X Matrix Sensor Technology

Sensor:	High-performance CMOS sensor
Optics:	Schneider precision lens
Shutter:	No shutter mechanics
Illumination:	Cold-light LED-technology with integrated Light-Control-System (LCS)
Resolution:	300 - 1200 dpi A1, 400 - 1200 dpi A2
Depth of field:	8 cm A1 / 12 cm A2
Scanning time:	0.3 seconds
Processing time:	2.2 sec. (scanning + imaging + storing)
Layout section:	A1: 655 mm x 940 mm A2: 670 mm x 470 mm
Buchrückenfreistellung:	25 cm A1 / 14 cm A2
PC interface:	USB 3.0
Software:	Easy Scan Professional Intuitive Profi Software with extended functions for job management, image editing and further processing
Color depth:	48 Bit color; 24 Bit color, 16 Bit grey, 8 Bit grey; 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 according to ICC Standard
Dimensions A1:	1240 (1805*) x 1067 x 2187 mm (B x T x H) *side illumination (l/r) included (optional)
Dimensions A2:	898 (1435*) x 929 x 2027 mm (w x d x h) *side illumination (l/r) included
Weight:	ca. 250 kg
Connection values:	100 V - 240 V, 47 Hz - 63 Hz
Energy consumption:	Standby: 69 W - 75 W / in operation: 69 W - 125 W
Safety standard:	CE EMV

Remote maintenance possible.
Technical changes reserved.

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