



Falcon [A4+]
HIGH-END V-SCANNER

Falcon [A4+] Faster? Impossible.

The **book2net Falcon** fulfills the demands for highest possible flexibility and individualized design for the conservation al scanning of special holdings in A6- to A4+ format with a small opening angle.

Selectable setting parameters allow individual scanning positions as well as standardized, productive work processes.

The **book2net Falcon** is designed for mobile use and therefore offers a high degree of flexibility, especially for decentralized digitization projects.



High-Performance Sensor

Camera options:

X41 camera, 400 dpi
X71 camera, 800 dpi

- True color display
- Distortion free
- Perfect linearity
- 0.3 sec. scanning time
- 2.2 processing time
(scanning + imaging + storing)

V-Shape Glass Pressure Plate

The v-shaped glass pressure plate adapts gently to bound templates with a wavy surface or uneven binding.

The high-quality, reflection-free and mit-ered museum glass guarantees precise, shadow-free images even in the critical book fold area.

The lifting and pressing power can be specifically adapted to the template requirements.

This sensitive control guarantees both optimal protection of the originals and the greatest possible productivity.



Conservational Book Cradle

The book cradle is specially designed for small-format books with sensitive binding that cannot be opened at a 180 ° angle. The pads can be moved and fixed individually in order to position the template centered and stable.

Easily adjusted and fixed up to a maximum spine size of 150 mm. The 2 x 300 mm x 300 mm sliding pads offer a high degree of flexibility for digitizing bound documents in the A6- to A4 + range.

LED-Illumination

The **book2net Falcon** is 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.

If old books and manuscripts are exposed to high light intensity, biochemical processes start - depending on the length of exposure and light intensity - which lead to structural changes in paper, ink, and paint and thus cause irreversible damage.

With conventional methods such as line sensor technology, which requires a light intensity of up to 14,000 lux, there is a very high risk that valuable books can be damaged by digitization.

Color Management

Integrated true-color management: METAMORFOZE, FADGI, ISO/TS 19264:1 2017 standard in color quality, resolution, noise, and linearity

TECHNICAL DATA

X Matrix Sensor Technology

Sensor:	High-performance area sensors
Optics:	Special Schneider lenses: 40, 45, 60, 80, 100 mm
Shutter:	No shutter mechanics
Illumination:	Cold light LED-technology with integrated Light-Control-System (LCS)
Resolution:	400 dpi / 800 dpi
Depth of field:	12 cm
Scanning time:	0.3 seconds
Processing time:	2.2 sec. (scanning + imaging + storing!)
Layout section:	600 mm x 300 mm (2x A4 up or down)
Book opening angle:	110°
Spine exemption:	15 cm
PC interface:	USB 3.0
Software:	Easy Scan Professional Intuitive Professional 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, Pro-Photo according to ICC standard
Dimensions:	100 x 76 x 90 cm (w x d x h)
Weight:	ca. 30 kg
Connection values:	100 V - 240 V, 47 Hz - 63 Hz
Noise emission:	Standby 34 dB(A) / in operation 39 dB(A)
Energy consumption:	Standby 50 VA, in operation 100 VA
Safety standard:	CE EMV

