Falcon

The mobile A2 V-Scanner

Falcon (A2+)
None is faster

The book2net Falcon is the smallest partner of our V-shape systems book2net Lizard and book2net Dragon and is used when collections in the format A6 to A2+ with a small opening angle are to be digitized. Designed for mobile use, it offers a high level of flexibility, especially in the area of decentralized digitization projects.

Freely selectable settings allow individual scanning positions as well as standardized, productive work processes.

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■ High-performance sensor

- Sensor options:
  - Line sensor
  - Area sensor
- True color accuracy
- Distortion-free
- Perfect linearity
- 0.3 sec. scanning time
- 2.2 sec. processing time (scanning + imaging+ storage)

■ LED lighting units

The book2net Falcon is equipped with an LED illumination system that provides a stable color temperature during the scanning process and thus guarantees faithful color reproduction.

Thanks to the Fresnel lenses used, uniform illumination of the entire scanning area is guaranteed. The LED light sources are glare-free as well as UV/IR free, so there is no radiation exposure to the user according to EN60825-1.
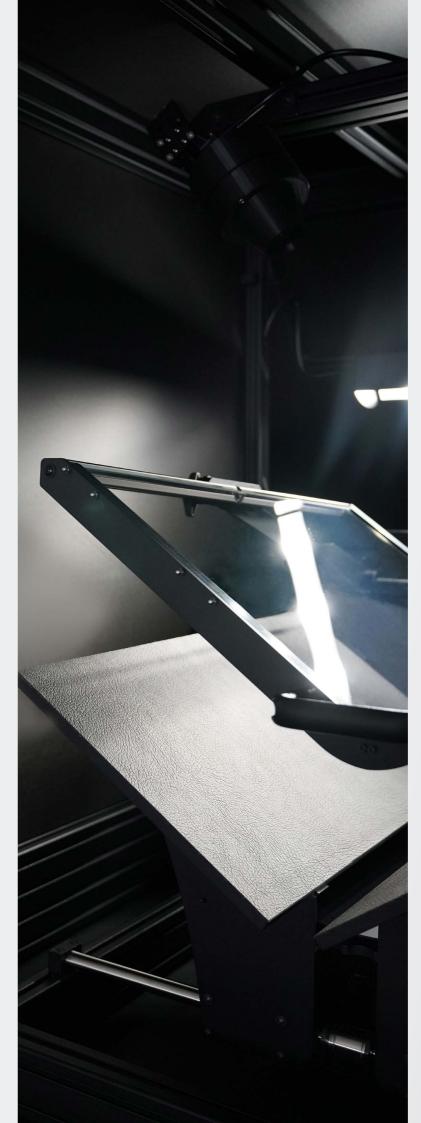
■ Gentle book cradle

The book cradle is specially designed to support the book spine and well adapted for books with different bookfolds and bindings that cannot be opened to 180° angle. The pads can be moved and fixed individually in order to position the books in a stable and centered position.

Easily adjustable and lockable up to a maximum spine width of 150 mm. The layout area of 2 x 420 mm x 300 mm offers a high degree of flexibility for digitizing bound documents in the A6 to A2+ range.

■ Color management

Integrated True Color Management:
METAMORFOZE, FADGI, ISO/TS 19264:1 2017 standard regarding color quality, resolution, noise & linearity.

■ V-shaped glass plate

The V-shaped glass plate gently adapts to bound documents with a wavy surface or uneven binding. The high-quality, nonreflective and mitred museum glass ensures precise, shadow-free images even in the critical book folding area. The lifting and pressure force can be specifically adapted to the respective requirements.

This sensitive control guarantees optimal protection of the originals as well as maximum productivity.

Scanner specifications

Technical data

Sensor	2 high-performance area sensors / line sensors
Optics	High-quality Schneider-Kreuznach precision lenses
Shutter	No shutter mechanics
Illumination	Cold-light LED-technology with integrated Light- Control-System (LCS)
Resolution	300 ppi / 400 ppi
Depth of field	12 cm
Scanning time	0.3 seconds (A2 color at 300 ppi)
Processing time	2.2 seconds (scanning + imaging + storage)
Layout section	2 x 420 mm x 300 mm
Book opening angle	110°
Book spine exemption	15 cm
PC interface	USB 3.0
Software	EasyScan / bookScan professional scan software with extended functions for job management, imaging and post-processing
Color depths	48 bit color; 24 bit color, 16 bit gray, 8 bit gray; 1 bit b/w
File formats	TIFF, JPEG, JPEG 2000, PNG, PDF, PDF-A, multipage PDF and multipage TIFF, RAW
Output	sRGB, Adobe 1998 RGB, eciRGB V1/V2, ProPhoto and according to ICC standard
Dimensions	100 x 76 x 90 cm (w x d x h)
Weight	approx. 42 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

Maintenance possible via remote service.
Subject to technical modifications.

Falcon in use

• The Ministry of Justice of Uzbekistan

CE   FA DGI   ISO 19264-1   M