

Lizard

The professional A1 V-scanner



Lizard (A1)

Gentle digitalization - Industrial productivity

The book2net Lizard is our desktop solution among the A1 V-shape scanners. Fragile books and bound documents that cannot be opened at an angle of 180° for conservation reasons, as otherwise the binding would suffer, can be gently digitized with the reduced opening angle of 110° of the book2net Lizard.

The use of dual CMOS sensor technology also guarantees consistently exceptional image quality at unrivaled scanning speed.

■ Highlights

- Dual CMOS area sensor technology
- Selectable options: M70 (400 ppi)/M150 (600 ppi)
- 0.3 sec. scanning time (A1 color at 400 ppi)
- 3.5 sec. processing time (scanning + imaging + storage)
- USB 3.0 interface
- Optimized for OCR applications due to reduced signal noise

■ True to scale

Each book is unique and varies in thickness. For true-to-scale digitization, height compensation using a book cradle is therefore absolutely essential.

The book2net Lizard ensures absolutely flexible adjustment of all elements of the book cradle to achieve perfect scanning results.

■ Gentle LED illumination

The book2net Lizard is equipped with a cold light LED illumination system that provides a stable color temperature during the scanning process and thus guarantees true color rendering. The Fresnel lenses used ensure uniform light distribution over the entire scanning area, even in the particularly critical edge areas and the book fold. The LED light sources are glare-free as well as UV/IR free, so there is no radiation exposure in accordance with EN60825-1.

In addition, the book2net Lizard is equipped with a dual lighting unit that can be controlled individually or synchronously. Thus, the light angle can be adjusted and, optionally, also the light intensity per lamp (3 segments) can be controlled individually. This is particularly important for the glare- and shadow-free detection of specially structured surfaces.

Thanks to the innovative process optimization, the book2net Lizard works with an extremely reduced illumination time of 0.5 seconds at a scanning speed of 0.3 seconds.

The unique lighting control module also offers the option of adjusting the lighting for conservation purposes and reducing it to $\leq 2,500$ lux.

■ Book cradle

The adjustable spine exemption of up to 20 cm in width and 8 cm in depth allows particularly fragile books to be handled gently.

Special optional coatings preventing reflections and abrasion on valuable materials and bindings can be selected according to the respective requirements.

■ V-shaped glass plate

The glass plate is gentle on the material and is weight-neutral. It is smooth-running, noiseless and easy to operate. If necessary, it can be locked in place. Reflection-free special glass guarantees the best scan quality.

■ Sustainability

As with all our systems, we have attached great importance to ecological production and the selection of sustainable, resource-saving materials for the book2net Lizard.

Our systems are also free from UV/ IR radiation and heat load. They are extremely noiseless and have very low energy requirements.

■ Color management

Integrated True-Color management:

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



Scanner specifications

Technical data

Sensor	Dual CMOS area sensor technology
Optics	Schneider-Kreuznach precision lens
Shutter	No shutter mechanics
Illumination	Cold-light LED-technology with integrated Light- Control- System (LCS)
Resolution	M70: 400 ppi / M150: 600 ppi
Depth of field	8 cm
Scanning time	0.3 seconds (2 x A2 color at 400 ppi)
Processing time	3.5 seconds (scanning + imaging + storage)
Layout section	up to DIN A1
Book opening angle	110°
Book spine exemption	10 cm (optional up to 20 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	800 mm x 1200 mm x 1400 mm (B x L x H)
Weight	approx. 70 kg
Noise emission	approx. 44 dB(A)
Energy consumption	Standby 50 VA, in operation 100 VA
Safety standard	CE EMV

Maintenance possible via remote service.
Subject to technical modifications.



Lizard in use

- The National Library of Poland

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