



Flash **A1+**

The book2net Flash A1+ was specially developed for use in the mass digitization of large-format, bulky or particularly heavy originals.

Flash **A1+** | 100927



Features

High-performance sensors

- CMOS area sensors with global shutter
- Electronic wear-free shutter
- 300 – 600 ppi
- 0.3 sec. scanning time (A1 color at 300 ppi)
- 2.2 sec. processing time (scanning + imaging + storage)
- USB 3.1 Gen. 1 interface

Optics

- Schneider-Kreuznach precision lenses
- Depth of field 8 cm
- Brilliant color accuracy
- Optical book fold optimization
- Perfect linearity
- Distortion-free

Book cradle

- Motorized book cradle with automated height adjustment up to 25 cm
- Book spine exemption up to 25 cm
- Double profile lifting columns for precise height adjustment
- Load capacity up to 180 kg per column
- Preservation approved

LED lighting

- Adaptive exposure control LED intensity
- Fresnel lenses for homogeneous illumination
- Glare-free / no flash effects
- Adaptable to ambient light
- Low energy consumption
- Stepless adjustment of the light emission angle
- Light intensity $\leq 2,500$ lux
- CRI > 95

Motorized glass plate

- Self-opening
- Scratch-resistant, anti-reflective museum glass

Intuitive scanning software

- Finger removal
- Automatic cropping & alignment
- Page separation
- Job management, image editing and post-processing

Color management

Integrated true color management according to METAMORFOZE, FADGI, ISO/TS 19264:1 2017, ISO/TS 19264:1 2021, ICC standard regarding color quality, resolution, noise & linearity.

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

Additional LED lighting | 101438

Specially developed for the Flash. Dual LED light unit for shadows and reflection-free capturing, especially historical books with special or uneven surfaces. Integrated dual control module for synchronizing the two light sources

Foot switch | 100714

Trigger scan / control glass plate / move book cradle

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

Semi-robotic **variant** | 103098

Features

Semi-robotics

- PLC control with high-precision linear drive (1/100)
- Programmable scanning processes
- Book size dependent travel paths
- Adjustable opening angles
- Process-controlled pressure
- Sensitive, fully electronic pressure control
- Variabl control:
 - fully automatic
 - semi-automatic
 - manual
 - time-controlled
 - user-controlled

Motorized glass plate | 101055

- Gentle on originals
- Self-opening & self-closing
- Format-optimized opening angle
- Process-controlled pressure
- Adjustable pressure sensitivity
- Sensitive, fully electronic pressure control
- Non-reflective glass



Flash A1+

Technical Data

Sensor	CMOS high-performance area sensor
Optics	Schneider-Kreuznach precision lens
Shutter	No shutter mechanism
Illumination	Cold light LED technology with integrated Light Control System (LCS)
Resolution	300 ppi / 400 ppi / 600 ppi (optional)
Scanning time	0.3 seconds (A1 color at 300 ppi)
Process time	2.2 seconds (scanning + imaging + storage)
Original size	645 mm x 916 mm
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	990 x 990 x 2100 – 2350* mm (w x d x h) *incl. additional lighting
Weight	approx. 160 kg
Connection values	100 V – 240 V, 47 Hz – 63 Hz
Energy consumption	Standby 50 VA, operation 100 VA
Safety standard	CE / EMV / CCC / SASO

Maintenance possible via remote service
Subject to technical changes

BL02

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