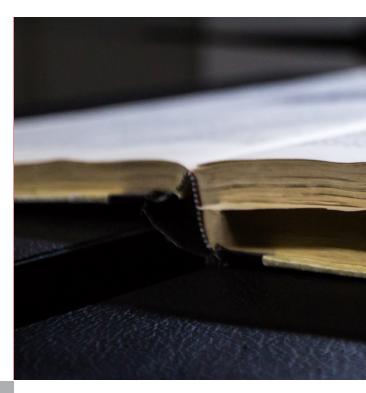# mosquito [A1+]
HIGH-END SEMIROBOTIC SCANNER

mosquito [A1+]
Gentle productivity, without compromise

With our A1 large format scanner **book2net Mosquito** we have developed a high-performance device specifically designed for the use in mass digitization projects with large-format, bulky or particularly serious originals such as newspaper volumes in order to ensure high productivity as well as a particulary gentle treatment of the originals.

HIGH-PERFORMANCE SENSOR

- Dual sensor technology
- Selectable options: 400 dpi / 600 dpi
- 0.3 sec. scanning time (A1 color at 400 dpi)
- 3.5 sec. processing time (scanning – imaging – storage)
- USB 3.0 Interface
- Optimized for OCR applications

OPTICS

- Schneider precision lens
- Depth of field 8 cm
- Book-fold optimization
- Brilliant color reproduction
- Perfect linearity
- Distortion-free

LED-ILLUMINATION

- Cold-light LEDs (individually or synchronously controllable)
- Light-Control-System
- Fresnel lenses
- Uniform illumination
- Stabile wave length
- Light intensity <= 2.500 Lux
- Lighting time <= 0.6 sec.
- > 3 years lifespan

SEMI ROBOTICS

- SPS-control
- Highly precise linear actuator
- 1/100 mm precise
- Programmable scanning processes
- Book size dependet traverse paths
- Selectable opening angle
- Process controlled pressure
- Sensitive, fully electronic pressure control
- Variable control:
  - fully automatic
  - semi-automatic
  - manual
  - time controlled
  - action controlled
  - user controlled

SOFTWARE

Software and features:
- Live Video Preview
- EasyScan Professional
- EasyScan OCR (optional)

MOTORIZED GLASS PLATE

- Preserves originals
- Self-opening & self-closing
- Size-dependent opening angle
- Process-controlled glass plate
- Adjustable pressure sensitivity
- Sensitive, fully electronic pressure control
- Non-reflecting glass (museum glass optional)

BOOK CRADLE

- Motorized book cradle with balancing technology
- Height adjustment up to 25 cm (optional up to 40 cm)
- Spine exemption up to 25 cm
- Double profile lifting column for precise height adjustment
- Load capacity up to 180 kg per column
- Preservation approved

Fixed book table
- Continuous supporting surface
- Special coating on requirement

COLOR MANAGEMENT

Integrierted True Color Management: METAMORFOZE, FADGI, ISO/TS 19264:1 2017 standard concerning color quality, resolution, noise and linearity

TECHNICAL DATA

X Matrix Sensor Technology

Sensor:	2 high-performance area sensors (dual technology)
Optics:	Schneider precision lense
Shutter:	No shutter mechanics
Illumination:	Cold light LED technology with integrated Light-Control-System (LCS)
Resolution:	400 dpi / 600 dpi
Depth of field:	8 cm
Scanning time:	0.3 seconds for A2 color at 400 dpi
Processing time:	3.5 sec. (scanning + imaging + storaging)
Layout section:	645 mm x 916 mm
PC interface:	USB 3.0
Software:	Easy Scan Professional Intuitive Profi Software with extended functions for job management, Image editing and further processing
Depth of field:	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:	100 x 107 x 200 /210 cm (w x d x h)
Weight:	ca. 125 kg
Connection values:	100 V - 240 V, 47 Hz - 63 Hz
Energy consumption:	Standby 50 VA, in operation 100 VA
Safety standard:	CE

Remote maintenance possible.
Technical changes reserved.