

LABORATORY – CNR ISPC

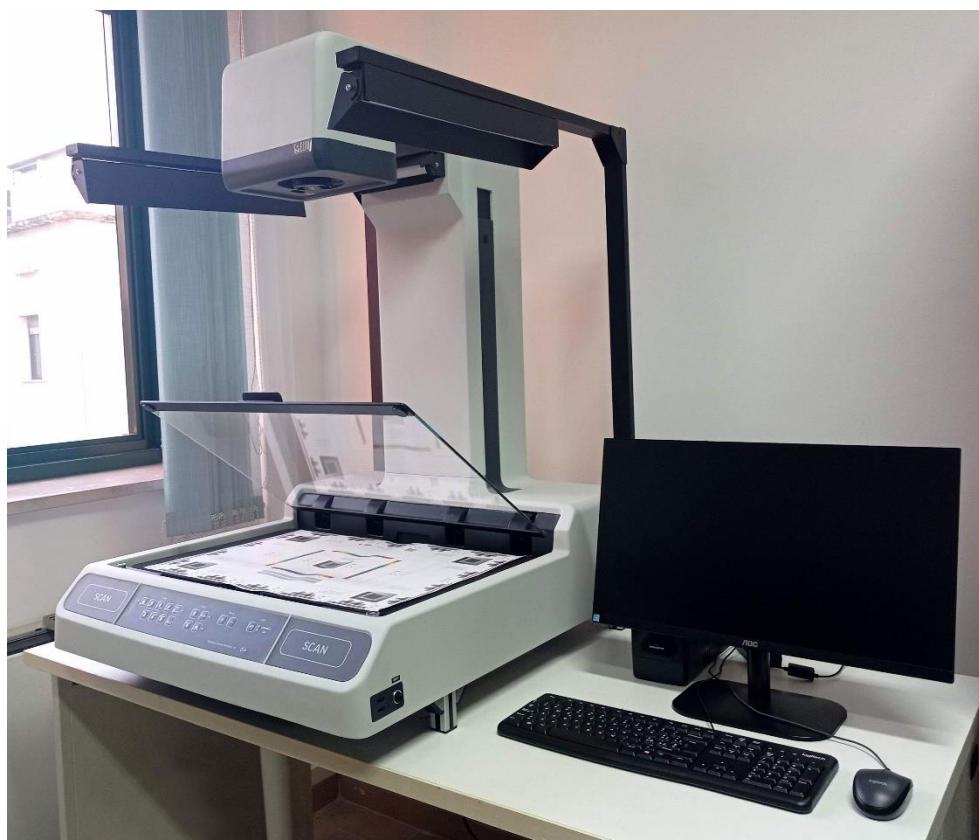
NAME OF THE INSTRUMENT

Desktop planetary scanner

GENERAL DESCRIPTION:

The planetary scanner of MOLAB is a scanning system for digitization of documents and volumes made with various types of media and even in poor condition, with formats up to A2+ (625 mm x 420 mm), both in colour scale and grayscale mode. The digitization process takes place quickly and with reduced geometric distortions and high fidelity in colour reproduction; the preservation of the integrity of the originals is also guaranteed. This scanning system is particularly suitable for the digital conversion of archival and book cultural heritage thanks to the preservation of the original documents' integrity. The system integrates a professional digital camera, allowing digitization also without the direct contact with originals documents. It is also equipped with an adaptable support for a V-mode scanning to handle books and volumes that can be opened at 120° or even just 90°.

An integrated computer with professional photo editing software allows to control the scanning process with a wide range of options and features for mass digitization. Image optimization and correction, different output formats such as .tiff, .jpg, .raw or multi-page .pdf, with OCR text in 51 different languages are some example of post-production functions.



TECHNICAL DESCRIPTION:

- Model name: ElarScan A2-400 (600) KS
- Maximum scanning area: A2+ (625 mm x 420 mm)
- Scan resolution: up to 400 dpi (up to 750 dpi in macro mode on A5+)
- Scan system: DSLR Camera (Digital Single-Lens Reflex); 24MP
- Scanning speed: 0,5 seconds for original size; 4 seconds for full cycle (processing, saving)
- Illumination: LED system without UV/IR radiation with software control
- Side illumination: “Repro” type
- Flat mode scanning: automatic liftable glass (equipped with electromagnetic stops and control sensors) or manual up and down movement
- Software: “ELAR ScanImage” software in batch e post-production scanning
- Scanner operability even without glass and with V-mode scanning

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