



WHITE PAPER

A1/A1-KS

Professional

ElarScan A1/A1-KS

Overhead DIN A1+ scanner with unique
4-segment lighting system

Overhead DIN A1+ scanner with 4-segment
lighting system and automated cradle

A-B-C PRODUCTIONS EUROPE DOO



WWW.ELARSCAN.COM

300-800dpi
optically adjustable



ElarScan A1 overhead professional scanner series are designed for fast and convenient contactless digitization of books, bound and separate documents of various types in any physical state, other objects up to A1+ format, including such applications as:

- Old book editions and vintage originals digitization
- Museum digital collections creation
- Scanning of stapled folders and other archival materials
- Digitization centers equipping

Modifications:

ElarScan A1-KS

Large format scanner with automated cradle & integrated flat folding glass

Reinforced automated cradle intended for working with massive originals up to 30 cm thick and weighing up to 50 kg. Pressing the original to integrated flat glass is controlled by buttons on the the scanner's control panel. Book cradle has V-shaped mode with opening angles of 90, 120 and 180 degrees. It is possible to lift the cradle wings independently and to push them apart for the thickness of book fold. Then extended, cradle has a recess for the book binding, which prevents its deformation and damage. All the main structural elements of the cradle are made of metal and designed for long intensive use.



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ElarScan A1

Table-top large format scanner with universal cradle

ElarScan A1 is equipped with a universal V-shaped book cradle with opening angles of 90, 120 and 180 degrees for working with originals up to 30 cm thick and weighing up to 20 kg. It is possible to lift the cradle wings independently and to push them apart for the thickness of book fold. Then extended, cradle has a recess for the book binding, which prevents its deformation and damage. All the main structural elements of the cradle are made of metal and designed for long intensive use.



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Highlights & benefits

- Scanning of any documents and objects up to DIN A1+
- ISO-19264-1 quality accordance with optically adjustable resolution in the range of 300–800 dpi for originals from DIN A1 to DIN A4+
- Pre-processing of images in LiveView mode (real time) – without pre-scanning
- FreeFrame scanning with up to 20 fragments at once
- Adaptive 4-segment repro-type lighters without IR and UV and with independent adjustment of each segment
- The "Anti-Glare" mode for automatic glare eliminating provides the ability to gain the improved image of the glossy or reflecting original in various lighting conditions.
- Ready-to-use planetary scanning system with integrated computer and software embedded
- Scanning solutions based on 30-year experience of streaming digitization.

Adjustable optical resolution

Industrial CMOS cameras with optically adjustable resolution allow the digitization with adjustment for originals of various size, thickness and texture. The scanner provides 300 dpi resolution according to the quality standard ISO-1926451 for full DIN A1 format and ISO 400 dpi for full DIN A2 format. For smaller items and fragments in macro-mode ElarScan A1 provides up to 800 dpi resolution.

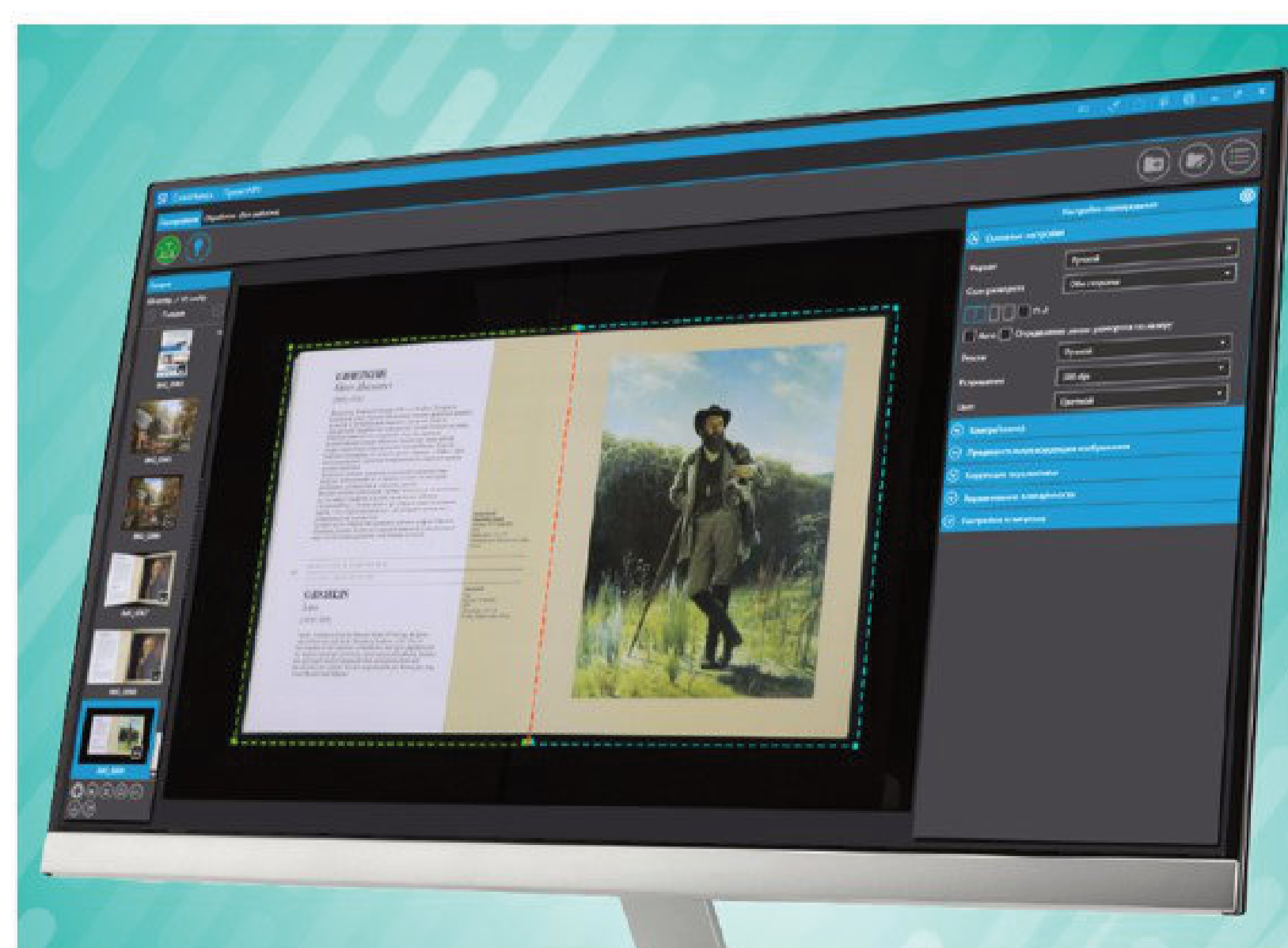
Adaptive repro-type lighters with "Anti-glare" mode

The scanner is equipped with an adjustable 4-zone adaptive LED lighting system that does not cause harmful ultraviolet and infrared light and provides equal illumination over the scanning area. The ElarScan A1 illumination system consists of four LED repro-type lighters with independent tilt angle adjustment, allowing to eliminate glare and shadows, as well as to convey the texture of art objects. In "Anti-glare" mode, the scanner automatically synthesizes the correct image of glossy and reflective original from several scans taken under different lighting conditions, ensuring the elimination of blind areas.

Integrated PC with software

ElarScan is a stand-alone device with an integrated computer. ElarScan users have everything they need to start digitizing immediately after the scanner installation is completed. Electronic images can be saved on the scanner's internal memory, on external USB drive, or transferred to the network via a Gigabit Ethernet interface: to any PC, server, or cloud storage.

"Professional version" of software (option) is the best choice for convenient professional work. It supports a full set of hardware functions and flexible software capabilities, based on many years of experience in mass digitization of documents.



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