



For anyone who
expects more than
the standard

OS Q V

The OS Q V sets new standards in professional digitization.

It combines the highest image quality, maximum efficiency and flexible application options – designed for demanding applications in archives, libraries and institutions that require uncompromising quality.

Camera system – precision down to the last detail

The camera system, featuring a 3-channel CMOS-based RGB line sensor, delivers exceptional results:

A high dynamic range and the precise reproduction of the finest tonal gradations enable sharp, low-noise and high-contrast images with the utmost attention to detail.

True RGB capture at every pixel – without color interpolation – ensures authentic color reproduction.

Lighting – Glare-free, true to color, gentle on materials

The specially developed LED lighting system, with a constant angle of incidence, ensures glare-free and shadow-free reproductions, even with difficult originals.

Shiny surfaces or shadows – even in the book’s fold – are reproduced without shading or reflections.

With a CRI of over 97, the OS Q V achieves excellent color fidelity. The LEDs emit no UV or IR radiation, thereby ensuring that sensitive materials are digitized without causing any damage.

Focused line lighting also ensures glare-free and ergonomic working conditions.

The lighting system is safe for users and has been tested in accordance with DIN EN IEC 62471-7 / VDE 0837-471-7 Amendment 1:2024-07 on the photobiological safety of lamps and lighting systems.

Productivity – Fast, efficient, flexible

The OS Q V is designed for maximum scanning productivity and workflow efficiency.

It can be used either with the specialized OT 180 V book cradle or – using V-adapters – on the OT 180 H35.

In this configuration, glassless scanning is possible, making it ideal for conservation-sensitive originals. Thanks to the Camera Link interface for maximum data transfer speeds, 64-bit technology and Multi-threading enables parallel scanning and storage processes.

The system allows for bidirectional scanning (forwards and backwards) and enables the scan area to be limited using the ROI scan function – ensuring maximum efficiency in the digitization process.

Software & Workflow – Intelligent Data Processing

The OmniScan software controls the entire workflow and supports internal 96-bit image processing.

It enables data output in 48-bit / 24-bit color, 16-bit / 8-bit greyscale and 1-bit black and white.

Technical Highlights

- MTF10 resolution in accordance with ISO 19264-1 Level A up to 450 ppi
- Complies with ISO 19264-1 Level A, Metamorfoze Full and FADGI 4 StarGenuine
- Parallel scanning despite a 90° book opening
- Camera Link interface for maximum data transfer
- SpeedROI scan function to limit the scan area
- Ergonomic working in a V-position with or without a glass plate
- No reflections on glossy documents

Technical Data	OS Q V
Height / Width / Depth [mm]	2200 / 1730 / 3000
Maximum book thickness	With V-Kit on OT 180 H 35 XL700 book cradle: 350 mm (without glass) With OT 180 Q book cradle: 350 mm above and below the glass
Scanning speed at 2xA2	400 ppi – 5 sec. 600 ppi – 10 sec.
Accessories	OT 180 H 35 XL700 with V-Kit OT 180 Q
Document size & book cradle	Maximum document size: 2 DIN A2+ pages at 90° (440 x 700 mm)
Operating Systems & Software	Operating system: OS 12.14 running on Windows 11 Scanning software: Minimum version: OmniScan 12.14 64-bit
Voltage	24V / 9.2A / 110-240V 50/60Hz