



3 Standards  
1 Workflow  
for perfect  
Reprografics!

**OS A W**

## Overview

The Zeuschel “OS A W”, also known as “The Wall”, is an innovative workflow solution specially designed for the digitization of artworks and historical documents in museums and for cultural heritage photographers. The system enables the secure, precise, and efficient reproduction of images, paintings and other cultural assets directly from the raw camera data and meeting the highest archiving standards (ISO 19264-1, FADGI, Metamorfoze).

## Powerful functions

In combination with the OmniScan software and “The Wall” module, the system offers a range of tools that meet the highest quality standards and optimize the efficiency of the and optimize the efficiency of the digitization process.

- **One Click Calibration:** This simple calibration function captures all relevant scene parameters (light setting, scale, geometry) using a calibration target and automatically corrects distortion, colors, and light gradients, with just one click. The result is high-quality digitized images without the need for post-processing.
- **Advanced Image Optimization:** OmniScan software enables the creation of scene-specific camera RAW profiles and offers OECF (Opto-Electronic Conversion Function) correction for perfect grayscale reproduction. Developed over 52 years, OmniScan delivers tailored functionalities specifically for digitizing cultural heritage assets.
- **True Color Capture in 4- and 16-Shot Mode:** Supports selected cameras to produce interpolation-free, high-resolution, true-color images — ensuring maximum detail and image fidelity.

## “The Wall” Module for Large-Format Digitization

This module is ideal for large-format originals such as paintings, maps, plans, and posters. With a sliding easel, precise laser alignment, a tripod-mounted camera system, and optimal lighting, large works can be captured quickly and reliably without repositioning.

The laser ensures exact perpendicular camera alignment to the original, while the calibration target guarantees consistent quality. After calibration, a single click in OmniScan generates a digitized image that complies with the highest archiving standards.

## OmniScan Software & OS A W Module

OmniScan software and “The Wall” module enable seamless capture and digitization of complex originals. Thanks to innovative technology and precise geometric correction, a studio camera can function as a mobile scanner — capturing large-format originals in tiles and seamlessly merging them into one geometrically correct, evenly illuminated, color-accurate image.

## Advantages at a glance

- **Efficient One-Click Calibration:** Quick and easy setup to ensure maximum image quality.
- **Highest Standards:** Produces digitized images in accordance with ISO 19264-1, FAGDI, and Metamorfoze.
- **True Color and Detail:** Supports 4- and 16-shot modes for interpolation-free pixel capture.
- **Modular & Flexible:** Adaptable for large-format and intricate originals.

