ZEUTSCHEL
Cultural Heritage is our Passion

Impressive results
in any format –
at an amazingly
affordable price.

OS A

Scan. Everything. Simple.

The OS A: A scanner for all formats.
Discover our price/performance winner

Imagine being able to digitise diverse collections with just one device and not having to compromise on quality. The OS A was developed precisely for the demands of perfection and practicality. Our latest generation overhead scanner is based on a unique approach that enables consistently brilliant results.

The secret of perfection: our scanning software

The heart of the OS A overhead scanner is our OmniScan 12 software which calibrates all camera settings and image processing at the push of a button. It enables one to optimally set quality parameters such as exposure, color rendering and shading. If the project settings such as format, light or lens change, the user simply triggers the automatic recalibration of the system in the software. This calibration is possible at any time and ensures that you receive reproducible, constant results of the highest quality.

Unique: The automatic quality check in real time

With the OS QM Tool quality analysis software, the operator can check the results of the test chart for compliance with the image quality specifications of ISO 19264-1 or relevant guidelines such as Metamorfoze or FADGI. With the Object Level Target, which is placed next to your originals, 100% quality assurance is achieved via the interface between the OmniScan software and the OS QM Tool.

Made in Germany

Sustainable materials

Flexible: The modular system

The OS A also impresses with its particularly flexible equipment. Choose between semi-professional and professional camera models from well-known manufacturers depending on your needs. The modular recording systems include various book cradles and a backlight table which can be used to gently digitize files, books and documents, as well as photos, slides, paintings or coins and seals. Some modules of the OS A can be retrofitted and adjusted for the respective work task in just a few simple steps.

The advantages at a glance:

- Maximum productivity thanks to automatic quality assurance
- Future-proof investment through flexibility in modular pieces
- Top price/performance ratio
- Compact design for use in the smallest of spaces

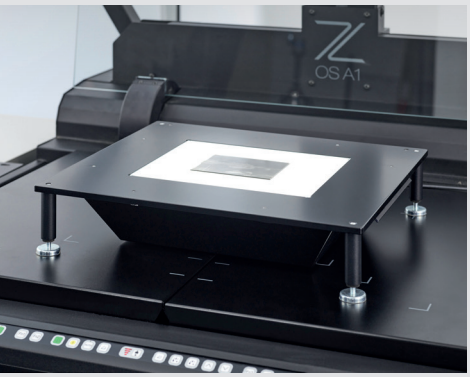
Compliant to

ISO 19264-1
FADGI
Metamorfoze

Cameras and Lenses	Additional Information
Canon	
Camera: Canon EOS R10	24 MP, APS C Sensor 6000 × 4000 pixels
Lense: Canon RF35 F1.8 IS Macro STM	only for CANON ESO R10, integrated Makro up to 1:2
FUJI	
Camera: FUJIFILM GFX100S II	102 million pixels; medium format sensor 43.8 × 32.9 mm; 11648 × 8736 pixels
Camera: FUJIFILM GFX100 II IR	102 million pixels; medium format sensor 43.8 × 32.9 mm; 11648 × 8736 pixels spectral sensitivity approx. 350-1100 nm
Lens: FUJINON GF63 mm F2.8 R WR	Image stabilizer, normal focus length, for both GFX cameras
Lens: FUJINON GF50 mm F3.5 R LM WR	Light wide angle, for both GFX cameras
Lens: FUJINON GF55 mm F1.7 R WR	4:3 sensor, image stabiliser, preferred lens for versatility, image quality, resolution and light sensitivity
Lens: FUJINON GF120 mm F4 R LM OIS WR Macro	medium-length macro lens, image stabiliser, 95 mm focal length, 45 cm minimum focusing distance
Lens and Macro Set for FUJI GFX	Macro set for GFX-cameras incl. deep camera mount, bellows and lens Macro-Symmar 5.6/120 mm
SONY	
Camera: Sony Alpha 7M4	ILCE-7M4, 33 MP effective, full-frame sensor 35.9 × 23.9 mm
Camera: Sony Alpha 7RM4A	ILCE-7RM4A, 61 MP effektive, full-frame sensor (35.7 × 23.8 mm)
Lens: FE 50 mm F2.8 Makro	SEL50M28, integrated macro, for full-frame sensor, preferred lens
Zeutschel CAM	
Cameraback: Zeutschel 155 MP	Sensor: IMX411, 14.304 x 10.802 pixels 3,76 µm
Cameraback: Zeutschel 261 MP	Sensor: IMX811, 19.680 x 13.308 pixels 2,81 µm
Cameraback: PhaseOne iQ4 150	Sensor: 14.204x10.652 pixels 3,76 µm

All cameras are available with matching integration kits, which include the necessary accessories and licences to calibrate and operate the camera on the device. Further Cameras on request.

Accessories for the OS A scanner



Modular Backlight Unit for OS A

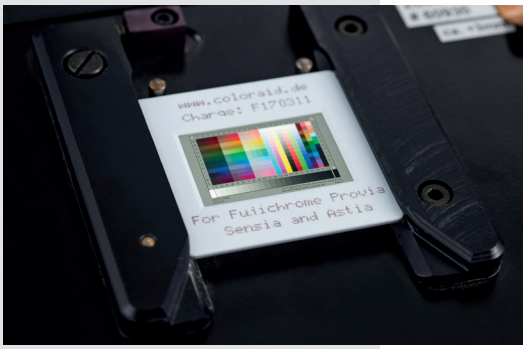
- LED transmitted backlight unit with 200 × 250 mm illuminated area
- Incl. Anti Newton film holder set for film types 120 and 135.
- Includes masks for film stripes 35 mm, 4,5 × 6, 6 × 6, 6 × 7, 6 × 8 and 6 × 9 cm on film type 120 as well as 5 × 5 cm holder for mounted 35 mm slides, OS A calibration target for transmitted light

Sheet film holder for OS A backlight unit

for processing sheet films in the formats 8 × 10", 5 × 7", 13 × 18 cm and 18 × 24 cm

Glass negative holder

Infinitely adjustable original holder for glass negatives and other non-flexible transparent originals for use on the OS A backlight unit.



Extra option:

Film holder for 9 × 12 cm / 4 × 5" film type

Black canopy

including aluminum rods for easy attachment to the OS A. Creates a protected working environment, blocks out extraneous light and thus significantly improves image reproduction.

Technical data	OS A2 Basic	OS A2 Advanced with book cradle	OS A1 Basic	OS A1 Advanced with book cradle
Scan format (dep. on camera and lense)	up to A2+		up to A1	
Dimensions				
Height / Width max./ Width min. [mm]	1275 / 2210 / 700	1400 / 2210 / 860	1632 / 2700 / 947	1632 / 2700 / 1040
Depth [mm]	1011	1011	1160	1156
Footprint (width × depth) [mm]	700 × 686	823 × 860	910 × 947	1023 × 1040
Weight [kg]	40	90	55	120
Lamp Arms (adjusting angle / displacement way)	adjusting angle 35–95° / 600 mm light axis ±15° inclinable to the lamp arm			
Lighting	24 V / 72 W		24 V / 96 W	
Spectrum	LED fully spectral			
CRI	> 95			
Illuminance in Lx (typical) illuminance max. in Lx.	approx. 2000 approx. 4000			
Column and Camera Arms				
Travel way [mm]	800		950	
Weight compensation	up to 2.5 kg camera weight			
Self-locking	✓		✓	
Distance optical center to column [mm]	379		515	
Possible cameras and their resolutions				
Canon EOS R10	24 MP			
Sony Alpha 7 M4 / Sony Alpha 7 RM4A	31 MP / 61 MP			
FUJIFILM GFX100S II / FUJIFILM GFX100 II IR	100 MP			
Camera support	camera turret rotatable, 90° locking positions			
Camera mount	1/4" thread			
Camera turret tilt adjustment	±1.6 mm (approx. 1°)			
TLF sensor for measuring book thickness	precision better than 1 mm			
Interactive automatic calibration for				
Sampling rate in ppi/dpi	✓			
Exposure / white balance / homogenity / illumination / distorsion correction	✓			
Chromatic aberration correction	✓			
Further features				
Linearity / OECF correction	✓			
Transformation to working color space (selectable)	✓			
Electrical values	manually driven	electrically driven		
110–240 V, 50/60 Hz: 220 W max.	82 W	98 W	98 W	130 W

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