

# Scando **iCOSS**

The Digital  
Scanning Camera



**KAISER**  
FOTOTECHNIK

# Scando icoss – This camera is a scanner

The Scando icoss is both a repro scanner and a camera for three-dimensional subjects. It provides high resolution image files – for prepress, and for quantitative and qualitative detail analysis for permanent documentation and archiving.



Flat large-format originals which do not fit on a flat-bed scanner, can be captured in total or in detail using reflective light. In this application the Scando serves as a repro scanner for prints, art works, paintings, maps, etc. as well as for reproductions from books.



Transparent originals like large-format transparencies, glass negatives, x-ray films and CTs can be scanned with the Scando mounted on a copy stand and using transmitted light.



Application possibilities for using the Scando as a "scanner" for capturing three-dimensional still objects are as diverse as the objects themselves. This includes catalog photography, package mock-up, photographs for medical, scientific, documentary or measuring purposes, for law enforcement or industrial quality assurance.

## The Scando scanning cameras are capable tools for those,

- who need high resolution image data for high-quality printed products,
- who need finest detail rendition for analysis and measuring,
- who need large enlargements without pixelation for verifying and identification,
- who need to scan valuable or fragile originals without contact,
- who file high-resolution image data for subsequent use.

We thankfully acknowledge the support of the National Library of Luxembourg with respect to the production of some of these photographs.



Additional fields of application for the Scando icoss/3 include mounting to a microscope or as a digital back on a view camera.



# Scando icoss – Scanner and camera in one unit

The Scando icoss combines the high-quality results of a professional flat-bed scanner with the versatility of a camera.



■ The "35 mm scanner" icoss/3 (its scanning area of 29 x 37 mm is close to the negative format of a 35 mm film) accepts Nikon lenses, the "medium-format scanner" icoss/5 (scanning area 45 x 45 mm/1.7 x 1.7") comes with an integrated focusing device for M 39 (Leica thread) enlarging lenses.

■ Complete scanning procedure needs only one pass of the triple CCD line.

■ Data transmission to your computer goes via a high-speed FireWire (IEEE 1394) interface.

■ Aspect ratio and framing can be determined by choice of lens and distance from object.

■ Detail and sharp focus can be controlled conveniently in a similar way as with an SLR using the reflex viewfinder with split image and micro prism spot.

■ A color depth of 12 bits per color provides for more shadow details and higher dynamic range.



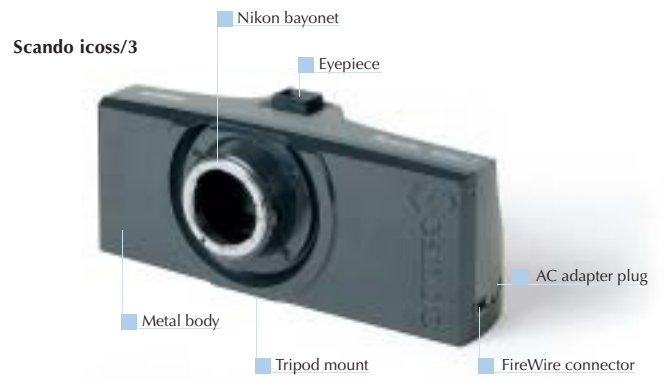
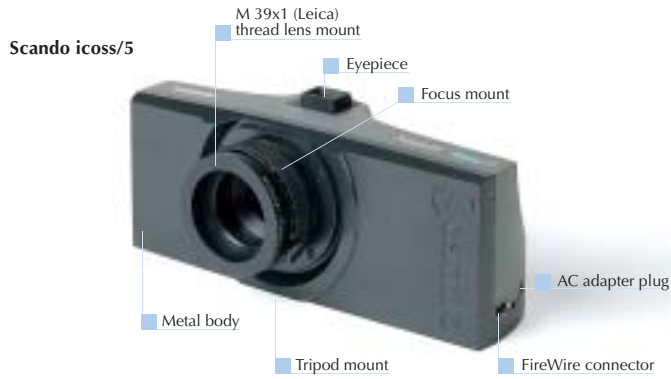
■ The Scando icoss cameras come with the popular SilverFast scanner software. The latest version of this Photoshop plug-in has real-time control of all steps done in the prescan, automatic image optimization, drag & drop functionality, triple histogram and many more improvements.

## Scope of supply

- Scanning camera with all-metal body and Nikon bayonet mount (icoss/3) or focusing device and M 39 lens mount (icoss/5)
- SilverFast scanning software with Photoshop plug-in and TWAIN driver
- IT8 targets for reflective and transmitted light for color calibration
- FireWire (IEEE 1394) cable
- AC adapter
- Manual
- Aluminum carrying case for equipment



## Kaiser Scando icoss



### Technical specifications

	Scando icoss/5	Scando icoss/3
Code number	5121	5120
Type	Digital scanning camera/SLR type	
Viewfinder	Reflex viewfinder with split image and microprism spot for focussing	
Lens mount	Helical focussing mount M 39 x 1	Nikon bayonet
Triple CCD line	3 x 5363 pixels	3 x 3648 pixels
Pixels	5363 x 5363 pixels	3648 x 4625 pixels
Camera resolution	approx. 28.8 megapixels	approx. 16.8 megapixels
Color depth	3 x 12 bit	3 x 12 bit
Dynamics (D max)	3.3	3.3
Contrast range	11 f-stops	11 f-stops
Maximum file size		
8 bit processing	82 MB	48 MB
16 bit processing	164 MB	96 MB
Output resolution (without interpolation)	max. 300 dpi on A 3 (11 x 17")	max. 400 dpi on A 4 (8.27 x 11.7")
Scanning area	43 x 43 mm	29 x 37 mm
Interface	IEEE 1394 (FireWire / iLink)	
Software supplied	SilverFast with Photoshop Plug-in and Twain driver	
Accessories included	FireWire cable, carrying case, IT8-Targets (reflective, transmitted)	
Operating system	Windows 2000 / Windows Me / Windows XP Mac OS 9.0	
System requirements	Pentium 400 MHz or better, Mac G4 RAM > 128 MB HD > 10 GB	Pentium 300 MHz or better, Mac G4 RAM > 128 MB HD > 10 GB

### Recommended accessories



icoss/5

Rodastock Rodagon WA 4.0/60 mm  
Schneider Apo-Compon 4.0/60 mm



icoss/3

Nikon Mikro-Nikkor AF 2.8/60 mm  
Nikon AF 1.8/50 mm



Kaiser "Copylizer eVision" Reflected/Transmitted Copy Stand Lighting Combination



Kaiser Copy Stands and Lighting Systems for image capturing and reproduction



Kaiser "prolite scan SC" light boxes



Kaiser "TopTable" shooting table systems



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