rePro

The Sinar rePro Camera System

Your Solution Provider for Archiving and Reproduction Photography

Premium Products – Made in Switzerland

The premium brand Sinar stands for selected products developed and produced with the know-how of more than 65 years of camera manufacturing. Sinar – the leading manufacturer of view camera systems for professional high-end photography. Precision mechanical masterpieces with minimum tolerances – made in Switzerland with most modern machinery – meet the highest standards and requirements for professional digital photography. Components used are subject to the premium quality demands and meet the expectations of high-end photography without compromise.
Sinar offers integrated, modular, complete solutions from one source – from camera platforms, lenses, one- and multi-shot digital backs, up to capturing software with integrated color management. Highest reliability and durability form the basis for the unmatched investment protection.

Sinar rePro RC

The Professional Tool for Reproduction Photography

With the growing demand for digitization and archiving, the requirements on camera systems for reproduction photography have changed significantly. Essential aspects in the success of a modern reproduction camera are ease of operation, precision and stability. Large volumes of objects to be digitized require optimal workflow, needless to say that exposures which have to be repeated cause major waste of time resulting in extra costs. These criteria have been taken into account during the design and development process of the Sinar rePro. The result is a professional tool that fully meets the requirements for reproduction photography.

Precision and Simplicity

The legendary precision of Sinar view cameras for analog and digital studio photography is already well known and highly valued by a great number of users around the world. Based on the same standards, the Sinar rePro is specifically designed to meet the requirements of reproduction photography. On the Sinar rePro only the essential operating elements have been implemented, the resulting simplicity of operation leads to an optimal reliability and prevents handling errors. The Sinar rePro fits seamlessly in the universal Sinar System and it provides an easy workflow with maximum accuracy.

Sinar rePro RC (Remote Control)

The RC version is a motorized camera and offers optimum user comfort. Engine power allows convenient, remote controlled focusing by remote control unit or software controlled via USB connection on the computer. As a result, a large throughput of photographs can be achieved.

Sinar rePro

High-tech Stepping Motors

For the Sinar rePro RC high quality stepper motors are used for longevity. They feature high degree step angle accuracy and step resolution. Externally controlled two speed levels can be selected which correspond to a coarse and a fine focus adjustment. Along with the brilliant and big live image of the Sinarbacks, this feature allows quick and precise focusing.

Electronic Control

The electronic control is an important contribution to the ease of use. The throughput of pictures is significantly increased because the operator can work more efficiently from the computer workstation. Therefore, the Sinar rePro RC can also be easily operated when shooting from higher positions. Integrated sensors serve as a safeguard against overstretching to protect the bellows.

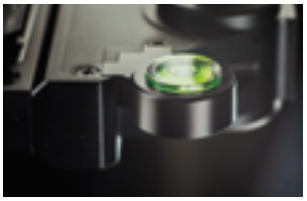
Focusing with Sinar CaptureFlow SW

Operating the Sinar rePro RC is also possible via capturing software CaptureFlow. The camera is equipped with a USB port to directly connect it to the computer. The computer can be placed more flexible and has not necessarily to stand next to the camera. The live image of Sinar CaptureFlow also features a sharpness indicator for fast and precise focusing.


sinar
remote control
SHORT
LONG

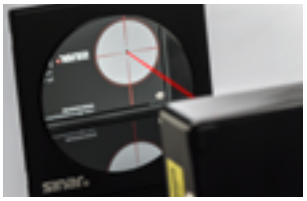
Flatness

The integrated spirit level enables horizontal alignment of the lens standard and ensures overall image sharpness. To achieve absolute parallelism, Sinar offers an excellent device for precise camera adjustments, Sinar parallel.



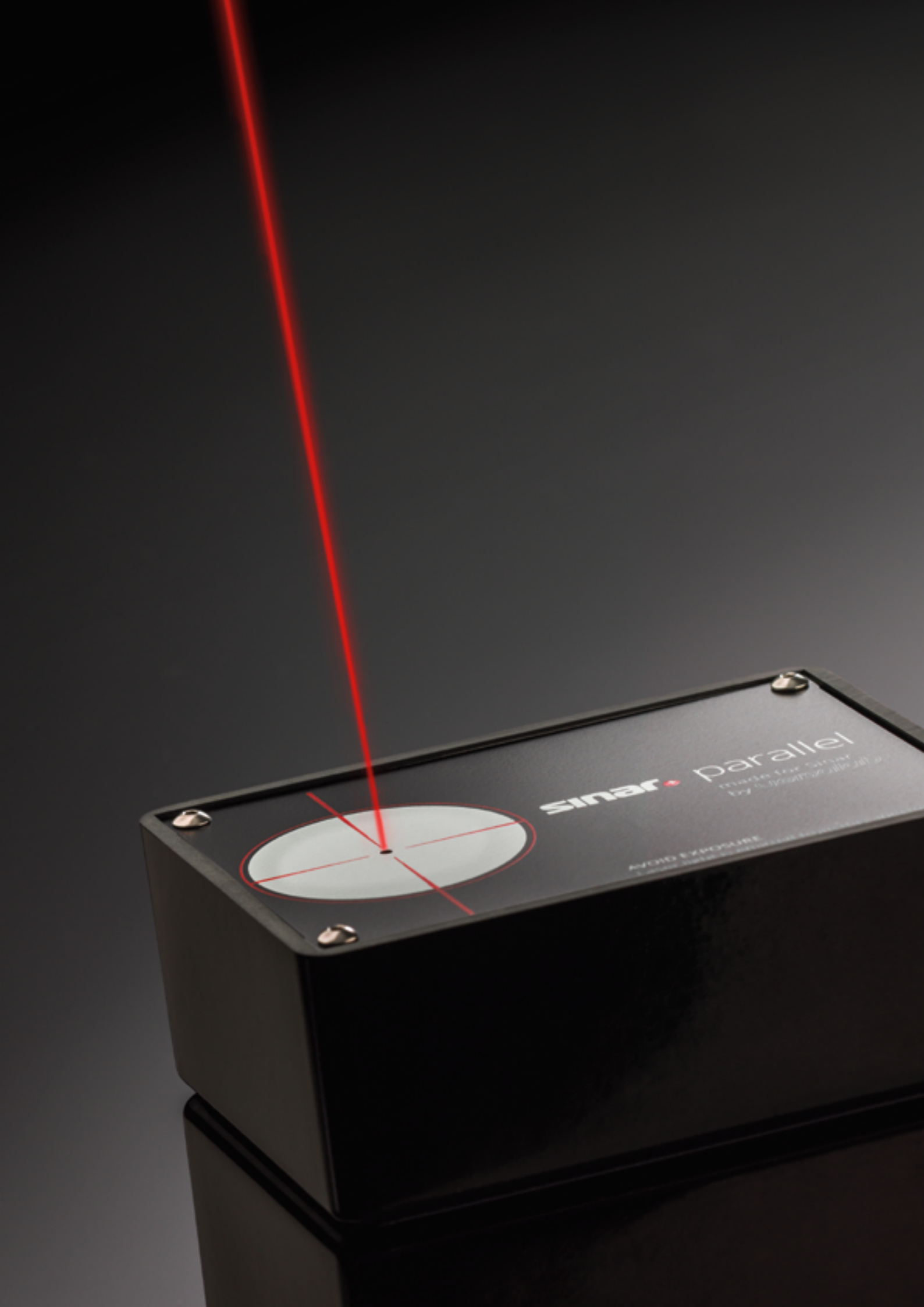
Sinar parallel

This device features a battery powered laser and allows precise alignments. Sinar parallel projects a red laser beam which is reflected by a mirror. The device is placed on the capturing table and the supplied mirror is mounted above on the camera. Precise flatness is achieved when the red laser beam exactly hits the middle of the cross-hairs of Sinar parallel.



Adjustment

The exact adjustment needs to be done on the camera stand adapter. Sinar is offering specific adaptater plates for Kaiser and Foba. Dedicated adjustment screws allow precise alignment of the X- and Y-axis, enabling a flat shooting situation.


sinar
parallel
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AVOID EXPOSURE

High Security

Besides its useful setting aids the Sinar rePro camera offers an important feature to protect the objects to be captured. As a safeguard to keep the lens plate from falling and damaging the object, the front standard is equipped with a special locking mechanism (red screw).

Eliminate Reflections

The Sinar rePro camera offers the great advantage of a lateral shift of +12/–12 mms. This feature is of help when reflecting objects under a glass plate are captured. By shifting, the reflections can be eliminated without changing the position of the light sources.

Modularity

Thanks to the modularity of the entire Sinar system, a variety of accessories is available for the Sinar rePro. This wide range with lens shade, polarization filter, lenses with various shutter systems as well as the LC shutter importantly contributes to raise the quality of the photographs and simplify settings. Also available for the Sinar rePro are adapters for Hasselblad V or H and Mamiya 645, means that all Sinar digital back as well as those from other manufacturers can be used on the Sinar rePro.

The Sinar rePro complete solution:
Sinar rePro RC CTM with Sinarback eXact, LC Shutter and eShutter system

Sinar View Camera Systems

All the essential elements for creative image composition like perspective correction and selective sharpness by swings and tilts as well as horizontal and vertical shifts form the basis of a view camera. Sinar's success is based on a continuous research to optimize products and adapt them to new and upcoming technologies. Additional applications are detected and products arise to meet the changing requirements. Commercial market aspects require an optimized workflow to allow our customers to operate their business competitive and profitable. For this reason, Sinar has made great efforts and today the photographers receive systems which clearly show that highest image quality and an efficient workflow go together well and harmonize perfectly. Around the world there is a large number of Sinar View Cameras in daily use – wherever professionalism, unrestricted creativity and entrepreneurial work are essential and where a quality-conscious photographer is determined to stand out from the middle class.


sinar

Color Accuracy Redefined

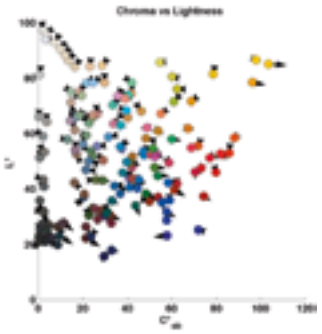
CTM (Color To Match) multispectral dual-pass filter solution for highly accurate color reproduction in digital high-end photography. It corresponds to the visible spectrum of the human eye in the range of 390 - 700 nanometers. This dual filter solution has been engineered together with the Rochester Institute of Technology (RIT), Rochester, USA, and corrects for known color deficiencies in the Bayer pattern coating applied to photography CCD sensor arrays. CTM was developed exclusively for Sinar digital backs. This extreme color accuracy is especially required in digitization of valuable cultural objects of art, in reprography, scientific and advertising photography. The results achieved are digital image files with unmatched color accuracy that guarantee an efficient workflow and a high throughput.

Sinar CTM

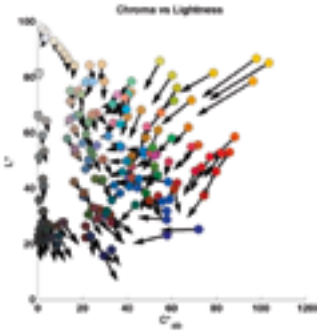
One Shot Systeme

Measurable Color Accuracy

This graphical comparison illustrates the outstanding color accuracy of Sinar CTM (Color To Match, left) compared to an image taken with a current, commercially available digital back (right). The arrow diagrams show the target/actual results for the corresponding colors. Analyses of other digital backs may vary, but overall they show similar deviations from the nominal values.



Sinar CTM



One Shot Systems

Technical Data

Sinar rePro	
Shifts	+12/–12 mms horizontal
Focus	Manual
Alignment Aids	1 circular spirit level for all axis
Adaptation for Digital Backs	Sinar, Leaf, Hasselblad V/H, PhaseOne, Mamiya 645 AFD
Tripod Adapter	Universal Adapter, Foba or Kaiser Adjustment Adapter
Dimensions	40 x 19 x 14 cms
Weight	2.2 kgs
Lenses	Sinaron, CMV, CPL and eShutter

Sinar rePro RC	
Shifts	+12/–12 mms horizontal
Focus	Automatic
Alignment Aids	1 circular spirit level for all axis
Adaptation for Digital Backs	Sinar, Leaf, Hasselblad V/H, PhaseOne, Mamiya 645 AFD
Tripod Adapter	Universal Adapter, Foba or Kaiser Adjustment Adapter
Dimensions	48 x 19 x 14 cms
Weight	2.5 kgs
Lenses	Sinaron, CMV, CPL and eShutter

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