sinar

Sinar m Camera System

sinar m

Philosophy

Flexibility – Our Product Philosophy

The world of professional photography has changed dramatically – the demand for flexibility has become stronger than ever before. This affects photographers as they work and, of course, the camera systems that they use in practicing their craft. Sinar has made flexibility a policy ever since the company was founded and it faithfully continues to observe that policy. And now, with the Sinar m System, the concept of flexibility achieves entirely new dimensions never before known in photography.

An Inspired Step

Our vision was to develop a system that provides the photographer with maximum flexibility. In order to achieve that goal, it should be possible to assemble the most diverse components tailored to their respective applications, thus enabling the photographer to accomplish his tasks easily and quickly, with no sacrifice in quality. With today's technology, this idea appeared to be current and feasible – and this motivated us to develop the Sinar m System. The Sinar m combines the world of the view camera with components of medium format- and 35 mm cameras in a unique manner. In addition to the obvious economic advantages, this option offers fascinating new creative possibilities for image capture and pictorial expression.

Reliability and Value Conservation

The heart of this unique system that so beautifully meets the demands of professional digital high-end photography is the Sinar m. Whether it is used as a view camera or as a compact professional camera, the Sinar m is a modern, fast and fully electronically controlled focal plane shutter that is highly effective in every situation. It takes but a few hand movements to attach the various modules to the Sinar m in order to ready it for a specific task. These modules are optimally tailored to one another mechanically and they are equipped with microprocessors that communicate with one another. The results obtained with the Sinar m System favorably stand any comparison with regards to quality and production efficiency.

Precision is Fundamental

The high performance capability of current and future systems requires an extremely precise camera- and lens technology. Only with that high level of precision can the performance capability of modern sensors with smaller pixel sizes on the same surface area be utilized effectively while still achieving the required data quality. Compromises in precision add up to significant losses in quality, which is why the investment in a high-resolution digital back can only be justified in conjunction with appropriately precise camera systems. Because of the smaller pixels of modern sensors, this fact has to be taken into account increasingly.

sinar m with Autofocus

In a Class of its Own

Concentrate on your subject and leave everything else to the Sinar m and its *Sinaron Digital AF Mirror Module*. Its autofocus system works with absolute reliability – with the precision of a Swiss clock. What's more, its speed should thoroughly impress every professional user, because it is among the very fastest of its class.

In cooperation with the firm of Carl Zeiss, the lenses for the autofocus configuration of the Sinar m camera were specially designed to meet the highest demands of digital photography. This means, among other criteria, high resolving power and the very best contrast rendition all the way to the edges of the image circle.
It is not only with regard to optical quality that we have charted new paths with *Sinaron Digital AF lenses*, but also with their operation: The focus can also be adjusted manually at any time by means of a focusing ring on the lens that reacts intelligently. When that ring is turned slowly, it activates the finest focusing steps, when the ring is turned quickly, it produces greater focusing steps.

A precise exposure metering system was also developed for this system. It has several metering modes and automatic exposure features, as well as TTL flash control.

They make it possible to evaluate light conditions very accurately in any situation, so that a correctly exposed photograph is assured.

The Sinar m Medium Format Mirror Module also allows the use of a large variety of Hasselblad V series lenses. In this case, focusing and setting the aperture is performed manually, although the exposure- and focusing systems of the mirror module can also be used in a supporting manner.

Break Loose!

In this configuration, which is also ideally suitable for mobile applications, the optional *Sinar m PowerGrip* can be attached to the bottom of the Sinar m by means of a rapid fastening screw. The rechargeable batteries housed in this PowerGrip provide ample energy so that longer shooting sessions can be performed comfortably without external power supplies. A built-in additional lockable release button also makes it possible to work ergonomically also in portrait format.

sinar m

with Nikon Lenses

Small Picture Format – Great Effect

Don‘t sell those Nikon lenses yet! By using the *35 mm Mirror Module*, the Sinar m camera can easily also be converted into a 35 mm single-lens-reflex camera that can be used with a large variety of Nikon lenses opening up a great range of focal lengths for your Sinarback that extends from extreme wide-angle to super telephoto lenses. Additional advantages of the modular Sinar m System: It features a significantly larger image area than those of many digital small image single-lens-reflex cameras and it does not require the annoying focal length multiplying factors that have to be taken into account because of the smaller sensor formats in other cameras. In any case, the full 24 x 36 mm format is at your disposal – even larger, depending on the digital back and the lens that is being used.

In this configuration too, the resolving powers of digital backs and lenses remain in a balanced relationship that ensures the best possible imaging qualities.

sinar m in the Sinar System

The Sinar m Becomes a View Camera

The Sinar m also provides the photographer with a modern shutter system for the *Sinar p3 view camera*. The functions of the camera can be controlled from the Sinar m and also via the Sinar CaptureShop™ exposure software. The proven Sinaron Digital Lenses, built into the Sinar Electronic Aperture Control (CAB) mounts, can also be controlled by means of the operating elements of the Sinar m as well as via the exposure software. This represents a significant advantage for the user, especially with an elevated camera position, as in reproduction applications. With shutter speeds up to 1/2000 second, the Sinar m is the fastest view camera shutter altogether. That, combined with the Sinar p3, makes the Sinar m the perfect system for everyday use in the studio and also on location.

Everything Under Your Control

Regardless of whether you happen to be positioned at your computer or at the camera, you always have your system under complete control. Every setting that you can make on the Sinar m can also be made by means of the Sinar CaptureShop™ exposure software (requires version 5.2 or higher). The camera system can thus be controlled entirely from the computer and CaptureShop reacts to virtually every input on the camera. Setting changes are synchronized between the computer and the camera, so that accidental operation is impossible. This logical and highly efficient integration is an incalculable advantage for the user that systems assembled with components from different manufacturers cannot offer at all or at best only incompletely.

The Sinar m at a Glance

Applications:	As a multifunctional shutter and control module on Sinar view cameras, or as a self-standing camera module with modern lenses with automatic and/or manual focusing.
Shutter Type:	Fully electronically controlled, vertically operating focal plane blade shutter.
Shutter Speeds:	From 1/2000 second to 68 minutes (depending on the configuration).
Flash Sync Speed:	1/100 second
Shutter Delay:	Typically 100 msec, in the Ultrafast Mode 5 msec
Shutter Size:	56 x 42 mm (2.2“ × 1.7“)
Shutter Life:	At least 50,000 release cycles
Display:	Liquid Crystal Display (LCD) with blue background illumination
Operation:	By means of the LCD with a user-friendly menu structure, dedicated rocker keys and setting dials
Tripod Socket:	2× 3/8“
Power Supply:	12 Volt DC
Dimensions:	180 × 140 × 67 mm (7.1“ × 5.5“ × 2.6“)
Weight:	720 grams (1.6 lbs.)

Applicable Lenses

The following lenses can be used on the Sinar m:

- Sinar m combined with a Sinar p3:
  Sinaron Digital CAB lenses 28 to 210 mm and Sinaron Digital CMV lenses 28 to 180 mm
- Sinar m with Sinaron Digital AF Mirror Module:
  Sinaron Digital AF lenses 40 to 180 mm and a large variety of lenses from the Hasselblad V System
- Sinar m with Nikon Mirror Module:
  All Nikon lenses for 35 mm cameras with apertures that can be set manually on the lens

Sinaron Digital AF Lenses

- Automatic and manual focusing
- Fast focusing displacement
- Filter thread: M86 × 1
- Sinaron Digital AF Distagon 4.0/40
  - Aperture range: f/4.0 to f/22.0
  - Minimum focus: 0.43 m (1.4 ft)
  - Dimensions: Ø 98 mm × 126 mm (Ø 4“ × 5“)
  - Weight: 1220 grams (2.7 lbs.)
- Sinaron Digital AF Planar 2.8/80
  - Aperture range: f/2.8 to f/22.0
  - Minimum focus: 0.90 m (3.0 ft)
  - Dimensions: Ø 98 mm × 75 mm (Ø 4“ × 3“)
  - Weight: 660 grams (1.5 lbs.)
- Sinaron Digital AF Macro Planar 4.0/120
  - Aperture range: f/4.0 to f/32.0
  - Minimum focus: 0.81 m (2.7 ft)
  - Dimensions: Ø 98 mm × 136 mm (Ø 4“ × 5.4“)
  - Weight: 1100 grams (2.4 lbs.)
- Sinaron Digital AF Sonnar 4.0/180
  - Aperture range: f/4.0 to f/32.0
  - Minimum focus: 1.57 m (5.2 ft)
  - Dimensions: Ø 98 mm × 160 mm (Ø 4“ × 6.3“)
  - Weight: 1300 grams (2.9 lbs.)

Mirror Modules

- Mirror Module Sinaron Digital AF
  - For Sinaron Digital AF and Hasselblad V lenses
  - Automatic and manual focusing
  - Autofocus metering range at ISO 100: 2 to 19 EV (at f/2.8)
  - Automatic exposure metering
  - Exposure metering modes: spot, integral and matrix
  - Exposure metering range at ISO 100: Spot: 1 to 21 EV (at f/2.8) / Integral -1 to 21 EV
  - TTL flash exposure control
  - Integrated LC display with background illumination
  - Dimensions (H×W×D): 139 × 110 × 76 mm (5.5“ × 4.3“ × 3“)
  - Weight: 540 grams (1.2 lbs.)
- Mirror Module Nikon
  - For Nikon lenses
  - Manual focusing
  - Dimensions (H×W×D): 131 × 100 × 54 mm (5.2“ × 4“ × 2.1“)
  - Weight: 410 grams (0.9 lbs.)

Battery PowerGrip

- Can be attached to the Sinar m by means of a quick-fastening screw
- Equipped with an additional, lockable release button for exposures in portrait format
- Battery type: Rechargeable Ni-MH, 12 Volt/2000 mAh
- Battery life: At least 10 hours or 5000 release cycles with the Sinar m
- Recharging time: 2.5 hours maximum
- Dimensions (L×W×D): 180 × 66 × 70 mm (7.1“ × 2.6“ × 2.8“)
- Weight: 720 grams (1.6 lbs.)

Accessories

- Mirror Module Sinaron Digital AF
- Prism viewfinder, medium format
- Waist-level viewfinder, medium format
- Mirror Module Nikon
- Prism viewfinder 35 mm
- Waist-level viewfinder 35 mm
- Battery PowerGrip
- Manual release
- Hand strap
- Neck strap
- Flash accessory rail
- Quick clamping adapter for Sinar p / p2 / p3
- Lens hoods for Sinaron Digital AF lenses

Applicable Digital Backs

- Sinarback 23 L/HR
- Sinarback 43 S/H
- Sinarback 44 L/HR
- Sinarback 54 S/H
- Sinarback 54 M
- Sinarback eMotion 22
- as well as all future Sinarbacks

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