



Digital Multishot – A class of it's own
Sinarback eVolution 75 H and eVolution 86 H

sinar 
PHOTOGRAPHY

eVolution75 H and eVolution86 H One- and Multi-Shot Backs for the highest quality demands



Sinar Multishot products are the response to the challenge of meeting the highest quality demands in professional photography without compromises. The harmonious balance of the interplay of the factors involved in high-end demands requires system components that are perfectly tailored to one another, and this is precisely what Sinar offers as complete solutions.

When a single image is not enough for the best photograph

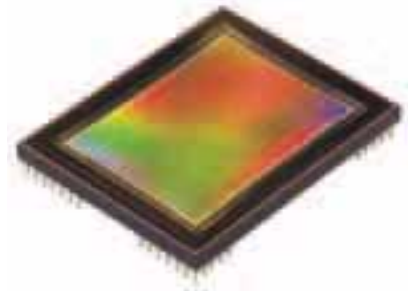
Whenever work is being performed in the fields of still life or archiving, Multi-Shot backs stand out because of their high resolution of details, which is especially noticeable because of rich contrast in color transitions. In the 4-shot mode, the CCD sensor's pixel matrix is shifted three times laterally or vertically by exactly one pixel width from one exposure to the next, so that every image point is covered by every primary color (red, blue, 2x green). Another decisive argument in favor of Multi-Shot technology is the significantly reduced Moiré effect, which becomes hardly noticeable because of the controlled color layering. This exposure technique completely eliminates the interpolation that is necessary with one-shot products. All Sinar Multi-Shot products, of course, can be operated in pure one-shot mode as well.



Adapters for different camera platforms

The relationship between the number of pixels and the print size

Complementing the eVolution75 H, which is in wide use in the market, the eVolution86 H features a CCD sensor with a significantly higher number of pixels. This 50% increase, when used with appropriate lenses, clearly enhances the image quality. This increase in pixels readily permits prints with 300 dpi in the size of 50 x 70 cm (approx. 19 1/2 x 27 1/2 inches). With these benefits, however, it also becomes evident that in addition to the pure number of pixels, the overall enhancement of visible image quality requires the consideration of other factors that play an important role, like the lenses that are used.



CCD Sensor

Unique

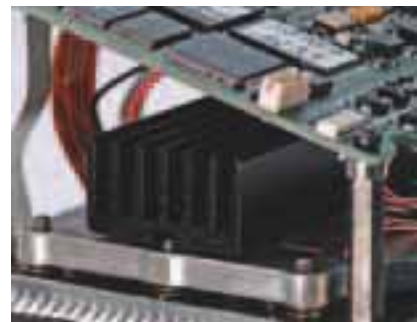
The eVolution75 H and 86 H backs, like several other Sinar backs, feature a unique adapter concept. With only a few flicks of the hand, these adapters easily allow these backs to be mounted on any desired camera platform. Sinar offers adapters for Sinar p3, Sinar Hy6, Mamiya RZ67, RB 67, 645 AFD, 645Pro, Fuji GX 680, Contax 645, Hasselblad V and H. The advantage of this philosophy is due to the fact that Sinar backs can still be used when a different camera system or when a different camera brand is to be used. Thus eVolution backs can be used on view cameras as well as medium format systems.



Cooling Fans

Constant operating conditions

The eVolution backs were designed in a way that excludes all electronic modules that generate heat and therefore would generate noise (such as display, battery and internal storage). The unique dual cooling of the sensor by means of Peltier elements and fans assure a fast heat dissipation, so that eVolution backs are ideally suited for use in rapid exposure sequences and prolonged operation. This technology guarantees uniform image quality over the entire photographic task. The high-performance cooling concept not only provides a long operation in daily work – it also extends the life of the eVolution back, which in turn makes the investment all the more attractive.



Peltier Cooling Elements

Advantages - Multi-Shot

As the successor model to the traditional Sinarback in the field of multi-shots, the Sinar eVolution86 H is the absolute high-end solution for all the tasks in the studio. With this new digital back, the concept of display-less Sinarbacks is extended logically in order to gain greater image quality and faster pace by means of a higher transfer rate to the computer. Thanks to its high-performance cooling, its favorable operating performance in daily work and the value merit of the investment is maximized.



Piezo Multi-Shot Element

Technical Data.

Digital Characteristics	Sinar Digital Back eVolution86 H
Type of Sensor	Dalsa FTF 6080C - RGB Mosaikfilter, Full Frame Technologie
Size of Sensor	8000 x 6000 Pixel, 48.8 Mio Pixel / 48.0 x 36.0mm
Display	No
File Formate	DNG
File Size	144 MB (24 BIT), 288MB (48 BIT)
Exposure rate	Up to 13 Exposures per Minute
Live image	Yes
Exposure time	1/10 000 second up to 32 seconds
Nominal sensitivity	ISO 50 - 800
Digitalisation	48 BIT (16 Bits per Chanal)
File Storage	Firewire direct on the Hard Disc
Active Cooling	yes (Fan and Peltier)
Power Supply	Firewire 800
Firewire interface	IEEE 1394b (800 Mbps, kompatibel zu IEEE 1394a 400 Mbps)
Exposure Software	Sinar CaptureShop 6.x and higher
Operating Systems	Mac OS X 10.5.8 and higher Exclusively with the DNG file format also with Windows operating System
System Requirements (Recommended)	Apple Macintosh with Intel Core 2 Duo, 2GHz or fasterprozessors with 4 GB RAM
Operating Temperature	0 - 45 °C / 32 - 113 °F
Dimensions and Weight	90 x 85 x 73 mm, 0.6 kg
Camera Interface	Sinar p3/p2/p/x view cameras, Sinar m, Sinar Hy6, Sinarcam 2; Contax 645 AF; Fuji GX 680 I, II, III; Hasselblad V, H1, H2; Mamiya RZ 67/Pro II, RB 67, 645 AFD, AFD II, 645 Super, Pro, Pro TL; Rolleiflex 6001, 6003, 6008, 6008 Integral, 6008 Integral2, 6008 AF. Any non-Sinar 4x5" view cameras via Graflock adapter

Digital Characteristics	Sinar Digital Back eVolution75 H
Type of Sensor	Dalsa FTF 5066C - RGB Mosaikfilter, Full Frame Technologie
Size of Sensor	6668 x 4992 Pixel, 33,3 Mio Pixel / 48.0 x 36.0mm
Display	No
File Formate	DNG
File Size	95 MB (24 BIT), 190 MB (48 BIT)
Exposure rate	Up to 24 Exposures per Minute
Live image	Yes
Exposure time	1/10 000 second up to 32 seconds
Nominal sensitivity	ISO 50 - 400
Digitalisation	48 BIT (16 Bits per Chanal)
File Storage	Firewire direct on the Hard Disc
Active Cooling	yes (Fan and Peltier)
Power Supply	Firewire 800
Firewire interface	IEEE 1394b (800 Mbps, kompatibel zu IEEE 1394a 400 Mbps)
Exposure Software	Sinar CaptureShop 6.x and higher
Operating Systems	Mac OS X 10.5.8 and higher Exclusively with the DNG file format also with Windows operating System
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