

## Sinar Hy6 65

### The Award winning Sinar Hy6 series gets expanded by a new model – the Sinar Hy6 65

#### Sinar Hy6 65 - Taking digital medium format photography to the next level

Sinar has designed the new Sinar Hy6 65 as a truly integrated medium format camera system that offers the photographers maximum ease of use for mobile applications and an optimum workflow in combination with an outstanding image quality. Thanks to the encompassing integration of high-quality system components with optimized communication between lens, camera body, digital engine, and software, the new Sinar Hy6 65 enables the photographer to focus on capturing excellent images. No guesswork, no disturbing cables, no manual synchronization of various components – the Sinar Hy6 65 fully supports the photographer in his creative process. Furthermore, the Sinar Hy6



Fashion Shot: Ralph Man,  
Model: Linda c/o Model-Pool / Düsseldorf,  
Makeup/Hair: Diana Fabricatore

[http://www.sinarcameras.com/downloads/Hy6\\_Schachtsucher.tif](http://www.sinarcameras.com/downloads/Hy6_Schachtsucher.tif)

embodies everything you can expect from a state-of-the-art camera system. In addition to its precise autofocus and exposure metering system it brings innovative features such as focus trap and focus bracketing to the medium format camera market. And thanks to its leaf shutter system, it features the fastest flash sync speed for medium format camera systems, allowing to freeze-frame even fast motion.

The Sinar Hy6 65 offers access to a broad range of high-quality AFD lenses with the resolving power and image quality required for high-end digital imaging. Furthermore the Sinar Hy6 65 is compatible with the manual focus and AF lenses of the successful Rollei 6000 camera system. Thanks to the possibility to use this very broad range of lenses, the Sinar Hy6 65 ensures that you can capture your images with the intended perspective and scale of reproduction at the required quality level.

#### Fast image processing on board

The Sinar Hy6 65 images are captured with a 31 million pixel CCD sensor with an imaging area that has almost twice the size of a full-frame 35mm camera system. Thanks to its QCIP (QuadCore Image Processing) technology these Sinar Hy6 camera models are the first digital medium format cameras with completely integrated digital image processing on board. Image processing settings such as contrast, saturation, and noise suppression can be set directly on the camera system for a fast and easy post-processing of the captured images.



### Future-oriented data storage

The high-speed data transfer of the Sinar Hy6 65 and Sinar Hy6-s65r allows for capturing images at fast capturing rates and storing them to CF card in RAW, DNG, and JPEG format or a combination of them . JPEG images can be stored in four different file sizes and two compression rates. Thus, you can send low-resolution JPEGs to the art director or agency immediately after the shooting and process the selected high-resolution images later on.

The Sinar Hy6 65 will be available in the two following configurations.  
For use with multiple camera platforms the Sinarback eSprit 65 is also available as a standalone digital back.

### Digital Features

	Sinar Hy6 65	Sinar Hy6-s65r	Sinarback eSprit 65
Sensor type	Kodak KAF31600CE CCD with full-frame technology and microlenses		
Sensor size	6496 x 4872 pixels (31.6 million pixels), 44 x 33 mm		
Display	3" with 640 x 480 pixels (280 ppi), automatic menu orientation Images, histogram, sensitivity, on-board exposure warning, memory status, white balance		
File formats	<ul style="list-style-type: none"> <li>• DNG / DNG compressed</li> <li>• JPEG (four file sizes: 31, 17, 8, and 3 million pixels / two compression rates)</li> <li>• DNG + JPEG</li> </ul>	<ul style="list-style-type: none"> <li>• JPEG (four file sizes: 31, 17, 8, and 3 million pixels / two compression rates)</li> <li>• DNG + JPEG</li> <li>• Sinar RAW + JPEG</li> </ul>	<ul style="list-style-type: none"> <li>• DNG / DNG compressed</li> <li>• Sinar RAW</li> </ul>
File size	60 MB (DNG and Sinar RAW 16 bit), 181/90 MB (TIFF 48/24 bit)		
Capture rate	0.9 frames per second		
Live image	n.a.	Yes	
Exposure time	1/10000 second to 32 seconds		
Nominal sensitivity	ISO 200-800		
Image processing	Fast on-board QuadCore Image Processing (QCIP)		
White balance	Automatic, presets, manual		
Data storage	High-Speed CF Card Type I (4 GB UDMA CF card included), alternatively also directly on hard disk via Firewire		
Active cooling	Yes (ventilator)		
Power supply	Alternatively, one or two rechargeable lithium-ion batteries 7.2 V, 2200 mAh	Two rechargeable lithium-ion batteries 7.2 V, 2200 mAh, for long-lasting operation	Alternatively, with rechargeable lithium-ion battery 7.2 V, 2200 mAh or from computer via Firewire cable
Operating time with battery	Up to approx. 2000 exposures		
Firewire interface	IEEE 1394b (800 Mbps, compatible with IEEE 1394a 400 Mbps)		
Capturing software	Sinar eXposure™ 6.1 or later		
Operating systems	Mac OS X as of 10.4.11, Windows XP as of Service Pack 2, Windows Vista as of Service Pack 1		
Computer requirements (recommended)	Apple Macintosh with Intel Core 2 Duo 2 GHz or faster processors with 2 GB RAM Windows-compatible PC with Intel Core 2 Duo 2 GHz or faster processors with 2 GB RAM		
Operating temperature	0 - 45 °C / 32 - 113 °F		
Dimensions and weight	196 x 157 x 112 mm, 1.9 kg	196 x 157 x 112 mm, 1.9 kg	90 x 87 x 65 mm, 590 g
Camera interface	Sinar Hy6	Sinar Hy6, Sinar m, Hasselblad V 500 series, Hasselblad H1/H2, Mamiya 645 AFD/AFD II	



**Camera Features**

	<b>Sinar Hy6 65 / Sinar Hy6-s65r</b>
Camera type	Single-lens autofocus reflex camera with multi-mode automatic exposure control, variable metering pattern, automatic TTL flash (SCA 3000), and motor-driven film transport.
Autofocus	<ul style="list-style-type: none"> <li>• Metering range autofocus cross sensor: 1 to 19 EV at ISO 100/21° with 2.8/80 mm lens</li> <li>• Integrated red-light grid projector for AF metering in low ambient light conditions</li> </ul>
Shutter	Electronically controlled between-the-lens shutter from 1/1000 (with PQS lenses) to 32 seconds (with film up to 68 minutes), B, and T
Viewfinder system	Waist-level finder with swing-out magnifier, 90° high-eyepoint reflex finder with adjustable diopters, 45° prism finder
Information in viewfinder	Illuminated LC finder display for: Focusing status, shutter speed, aperture (with 1/3 f-stop increments), light balance for manual exposure metering and exposure compensation, spot/multi-spot mode, flash-ready indicator, TTL flash exposure control, frame counter, portrait or landscape format with 4.5x6 cm, battery status
Action Grip	Locks in four positions (for waist-level finder, 45°, or 90°-viewfinder mode) with detachable leather hand strap
Tripod	Quick-clamping tripod plate with 1/4" and 3/8" tripod threads
Exposure metering	<ul style="list-style-type: none"> <li>• Spot, center-weighted multi-zone and integral metering</li> <li>• Automatic stray-light compensation during metering</li> <li>• Integrated RGB sensor for automatic white balance for digital photography</li> <li>• 0 to 19 EV at ISO 100/21° with 2.8/80 mm lens</li> </ul>
Exposure modes	Shutter priority AE, aperture priority AE, program AE with fastest shutter speed priority, metered manually in steps of 1/3 f-stops
Exposure compensation	Manually adjustable from -4 2/3 to +2 EV in 1/3 f-stops, via automatic bracketing control (in S± position) in steps of 1/3, 2/3 and 1 EV
Multiple exposures	With electronic film-transport suppression, without screen image
Automatic flash	<ul style="list-style-type: none"> <li>• TTL flash metering on the film plane, 25 - 1600 ISO</li> <li>• Flash-ready and exposure-control is displayed in the viewfinder.</li> <li>• Automatic flash activation capability with Metz flash units in low ambient light conditions</li> </ul>
Flash synchronization	With all shutter speeds up to and including 1/1000 second
Exposures on film	<ul style="list-style-type: none"> <li>• With removable film magazine 4.5x6 cm with pre-loadable film cartridge. 6x6 cm film magazine in preparation</li> <li>• 120/220 roll film for 16/32 shots in 4.5x6 cm format</li> </ul>
Lenses	AFD lenses: 35, 50, 80, 150, 180, and zoom 60-140 mm, and all Rolleiflex 6008-compatible AF and non-AF lenses
Camera control	<ul style="list-style-type: none"> <li>• On the camera via its own controls and dials</li> <li>• Full remote access and control from computer via Sinar eXposure™ capture software and the connected Sinarback</li> </ul>

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