

*HASSELBLAD*



Hasselblad CFII Digital Camera Back Range



### Flexibility plus power

The Hasselblad CFII line of digital backs bring a new level of flexibility to the professional digital photographer, offering a 39 million pixel sensor and a choice of three storage options, the ultimate portability of a CF card, the ultra-fast 100GB Image Bank II, or tethered computer hard drive operation with extended controls. When used together with Hasselblad's i-Adapter, open camera interface option, the CFII line can be used with a wide range of cameras, bringing Hasselblad capture quality to your preferred camera platform. The CFII line of digital backs provides a true-color, multi-shot capture option and features Hasselblad's Star Image Quality, dramatically expanding the horizons of your digital photography.



CFII Back on a view camera.

### Large format 48x36mm digital capture

The CFII backs provide higher resolution, less noise, and improved composition, using sensors that are more than twice the physical size of even the largest 35mm sensors. This means more and larger pixels, ensuring the highest possible image quality and perfect color rendering without gradation break-ups – in even the most subtly lit surfaces. With the optional Multishot upgrade option, you can increase the color resolution of your captures four-fold.



CFII-39 and CFII-39MS.

### Better color, better workflow, better business

CFII backs utilize Hasselblad's new, powerful color technology, the Hasselblad Natural Color Solution (HNCS). HNCS works invisibly in the background in conjunction with Phocus imaging software to produce outstanding and reliable out-of-the-box results, whatever the challenge, meaning that you never need to choose a specific color profile to suit a specific job.

In addition, CFII backs use Hasselblad's custom raw file format, 3F RAW (3FR), designed to ensure that images captured on Hasselblad digital products are quickly and safely stored. 3FR files are stored using lossless image compression, reducing required storage space by 33%, and can be converted into Adobe's DNG raw image format. CFII image files carry a full set of metadata, including capture conditions, keywords and copyright.



### IAA: quick and easy selection and classification of images

The CFII backs feature Hasselblad's Instant Approval Architecture (IAA), an enhanced set of feedback tools designed to drastically simplify the image selection process so you can concentrate on your shoot. Audible and visible signals and recorded information in the file and the file name make classification and sorting quick and easy, whether in the field or in the lab.



### Improved workflow for the professional photographer

Phocus enables an image processing workflow that gives the highest degree of control for your studio photography. The latest version of the Phocus software enables you to manipulate color temperature and compare image details across multiple images for precise image selection. Phocus uses the 3FR files and runs on both Macintosh and Windows computers and allows you to provide free copies to all your co-workers and production partners.

### Three modes of operation and storage

CFII backs let you be as flexible as you need to be, with three separate storage modes: choose freely between the ultimate portability of a CF card, the ultra-fast 100GB Image Bank, or tethered computer hard drive operation with extended controls.

Ultra fast storage with 100GB Image Bank II.



The Hasselblad CFII-39 and CFII-39MS digital camera backs are designed to work using the appropriate i-Adapters and cables with a wide range of Hasselblad and third party cameras:

Hasselblad H1, H2, H2F  
 Hasselblad 555ELD  
 Hasselblad 500EL/ELM500/553ELX  
 Hasselblad 503CW+WinderCW

Hasselblad 500C/CM501C/CM503  
 CX/CXi/CW

Hasselblad SWC/SWC/M903  
 SWC905 SWC

Hasselblad 2000 FC/FCM2003  
 FCW201 F/203 FE205 TCC/FCC

Hasselblad FlexBody  
 Hasselblad ArcBody  
 Horseman DigiFlexII  
 Fuji GX680  
 Mamiya 645 AF  
 Mamiya 645 Pro  
 Mamiya RZ67  
 Mamiya RB67  
 Rollei 6000 series+AF camera  
 Contax 645 AF

Any view camera accepting  
 Hasselblad Mount+Any shutter  
 with X sync

Any view camera accepting  
 Hasselblad Mount+Rollei electronic  
 shutter with lens control

Any view camera accepting  
 Hasselblad Mount+Horseman ISS  
 electronic shutter with lens control



# Hasselblad Image Quality.

Resolution, Natural Color, Optical Purity, Clarity, and Detail are all key components in defining superior image quality. Hasselblad's Phocus imaging software provides both the automatic solution and the toolset for individual workflow and image quality management.

## Resolution – why Bigger is Better

- A large sensor format is the key to achieving exceptional image quality.
- A large sensor size allows the additional benefit of a larger focusing screen and thus a larger viewfinder image.
- Compared to 35mm, medium-format lenses allow for smaller apertures to be used maintaining a shallow depth-of-field, with reduced lens aberrations.
- Since the medium-format frame size is larger, images do not have to be enlarged as much, thereby improving the resolution of the final image.
- Technological advances benefit all sensor sizes equally. Larger sensors will always remain at the top of the scale.
- Medium-format lens resolution outperforms 35mm lens resolution – compare our images to those from any 35mm DSLR system.

## Natural Color

The Hasselblad Natural Color Solution accurately reproduces the full visible color spectrum – be it skin tones, special product colors, or difficult gradations – easily and effectively, every time and with the use of a single color profile. Our complete knowledge of the filter and sensor characteristics of each individual camera has made this possible.

## Optical Purity (Hasselblad H-system lenses)

Digital Auto Correction (DAC) is Hasselblad's unique way of digitally correcting for the optical phenomena that create minor optical errors. Whether it is distortion, chromatic aberration or vignetting, DAC automatically corrects for these errors without struggling with sliders, numbers etc by using detailed lens information that resides inside the RAW 3FR file.

Read more at [www.hasselblad.com](http://www.hasselblad.com)

## Technical specifications

### Hasselblad CFII-39

**Sensor size:** 39 Mpxels (5412x7212 pixels)

**Sensor dimensions:** 36.8x49.1mm  
16 bit color ISO 50, 100, 200 and 400

**CFII-39:** Single

**CFII-39MS:** Single & Multishot

**Image size 1-shot: Raw 3FR compressed:**  
50MB average, TIFF 8bit: 117MB

**Image size 4-shot: Raw 3FR compressed:**  
200MB average, TIFF 8bit: 117MB

**Longest shutter speed:** 32 seconds

**Image storage:** CF card type II (write speed >20 MB/sec), Image Bank or tethered to Mac or PC

**Storage capacity:** 2GB CF card with room for (average): CFII-39: 40 images

**Battery type:** Sony™ InfoLithiumL NP-F series

**Capture rate:** 2.0/image sec

**Color display:** 2.5 inch TFT, 24 bit color  
Histogram feedback

**IR filter:** Multicoated. Mounted on CCD sensor  
Acoustic feedback

**IAA - Instant Approval Architecture** with acoustic feedback, and manual classification.

**File format:** 3FR lossless compressed

**Software:** Phocus, Mac OSX, NT, 2000, XP

**Host connection type:** Firewire 800 (IEEE1394b)

**Operating temperature:** 0-45°C/32-113°F

**Dimensions:**

CFII-39; 81x81x53mm (WxHxD)

CFII-39MS; 81x81x68mm (WxHxD)

**Weight:**

CFII-39; 450g (excl. battery and i-Adapter)

CFII-39MS; 600g (excl. battery and i-Adapter)

[www.hasselblad.com](http://www.hasselblad.com)