

HASSELBLAD H1D

The Hasselblad H1D is the first fully integrated medium format auto focus DSLR camera. It provides the professional photographer with a flexible digital camera based upon the markets most powerful 22Mpix sensor merged into the newest Hasselblad camera platform.



Flexibility

The new H1D digital camera gives you the power and freedom to capture your best images from an entire world of subjects. Offering all the benefits known from the H1, now direct digital. With digital controls of all key settings using the H1D controls, including ISO speed rating, white balance, exposure mode and focus mode. The Hasselblad H1D grip display shows all camera settings and a detailed histogram of your exposure. Combined with the H1D colour preview display and acoustic exposure feedback, this powerful digital camera delivers immediate image and exposure checking.

On location, you can take a new high-resolution shot every two seconds and keep shooting for up to 850 images, all of which are saved straight to the hard drive of the H1D Image Bank. You never need to change CF cards, micro drives or other storage media.

In the studio you can connect the H1D to your computer and work tethered. On Mac or PC. You are in command.

Fastest medium format auto focus camera

Ongoing research has produced an auto focus system so fast and accurate that it rivals even those systems found on the latest 35 mm cameras. For example, when using an 80 mm lens, it takes just 400 ms to focus from close-range to infinity. Furthermore, its unique instant-focus-override feature gives pros the extra control they need to capture even the most challenging images.

Hasselblad lenses for best digital image quality

The Hasselblad H1D uses the full range of high-resolution H1 lenses that are specially designed for capturing

digital images. Latest additions to the range are the HC 2.2/100mm, HC macro 4/120mm, and HC 4.5/300mm. A CF adapter offers access to use of all V system lenses with the H1D.

A large viewfinder for superb image composition

The Hasselblad H1 90° reflex viewfinder provides 100% field-of-view, even for people wearing eyeglasses. Combined with the high-quality focusing screen, it offers the large, bright viewfinder image you need to compose your best images.

H1D Image Bank

The H1D is a digital camera system that includes a separate 40Gb Image Bank that safely and fast stores all images. Up to eight hours of constant computer free shooting is provided on a single charge, up to 850 image storage capacity, two inch color preview display with image browsing and ultra fast zooms. When you return to the studio, your computer shows an automatic contact sheet, with active image browsing and 100 images transferred every 2.5 seconds.

To ensure maximum shooting speed throughout its lifetime, the storage media is specially sectored and formatted to prevent fragmentation. Using the Image Bank is easy because you never need to plug in into a wall socket. When connected to your computer, it takes power straight from the FireWire cable. While on the road it can be powered with a standard L-size rechargeable battery.

HASSELBLAD H1D

DDC Technology

In a digital camera it is vital to keep the CCD as cool as possible. Electronically generated heat not only represents wasted energy, drained from your batteries, but it also creates noise in your images, thereby limiting the dynamic range, density and image quality. Thanks to its unique Double Duration Circuit technology (patent pending), the H1D runs more than twice as cool as similar digital camera systems, giving you cleaner images, true 16bit color depth and double the battery life.

Powerful and easy-to-use software

Perfect shots have never been easier to take. With easy-to-use tools, full process color management, fast preview downloads, and a large output accurate preview, you can easily control your capture. No surprises await you when you open your images in Photoshop or roll them off the

press. The software prepares all your digital originals for straightforward use now and in the future, with Tiff tags including preview, metadata, and history log of all setting used with the raw image data.

Film capability

The H1D handles film to even further expand the possibilities and to make sure you capture the perfect image in all conditions. Situations where film is a relevant choice are:

- Extreme temperatures
- Ultra long exposures
- Infrared photography
- To give the image a special look only provided by a particular film/development process

Film also provides a safe backup solution in situations where battery charging is difficult or impossible.



HASSELBLAD H1D

SPECIFICATIONS DIGITAL FEATURES	
Sensor size	22 Mpixels
Sensor dimensions	36.7 x 49.0 mm
Image size	66 MByte 8 bit RGB / 132 MByte 16 bit RGB
Shooting mode	Single shot
16 bit color	Yes
ISO speed range	ISO 50 - 400
Longest shutter speed	32 seconds
Image storage	Image Bank external hard drive
Storage capacity	850 full resolution images
Battery type	Sony™ InfoLithiumL NP-F series (not included)
Capture rate	2 seconds / image including preview
Color display	Yes
Histogram feedback	Yes (on camera LCD and rear LCD)
Acoustic feedback	Yes
Software	Flexcolor
Platform support	Mac OSX, NT, 2000, XP
Host connection type	Firewire (IEEE1394)

SPECIFICATIONS CAMERA FEATURES	
Camera type	Interchangeable viewfinder and lenses. Digital part can be replaced with optional film back.
Lenses	Hasselblad HC lenses with integral shutter. All lenses from the V system with optional CF lens adapter
Shutter speed range	Digital: 1/800 s to 32 seconds. Analog: 1/800s to 18 hours
Viewfinder	90° reflex viewfinder w. diopter adjustment (-4 to +2.5D). Image magnification 2.7X. Integral fill-flash (G.No. 12 @ ISO100). Hot shoe for SCA3002-system flashes from Metz™.
Focusing	Automatic and manual focusing. Instant manual focus override. AF metering with passive central cross-type sensor. Metering range EV 1 to 19 2 ISO100.
Flash control	Automatic TTL centre weighted system. Uses built-in flash or flashes compatible with SCA3002 (Metz™). Output can be adjusted from -3 to +3EV. For manual flashes a built-in metering system is available.
Film format	56 x 41.5 mm
Film types	120 and 220 film in the same magazine. Automatic setting of film parameters. Instant film type 100 with special magazine (HMi100)
Exposure metering	Metering options: Spot, Centre weighted and Average. Metering range Spot: EV2 to 21, Centre weighted: EV1 to 21, Average: EV1 to 21
Power supply	Cassette for 3 CR-123 Lithium batteries. Optional rechargeable Li-ion battery available.

HASSELBLAD H1D

H1D lens range

		
HC 3.5/35 mm	HC 2.2/100 mm	HC 4/210 mm
		
HC 3.5/50 mm	HC Macro 4/120 mm	HC 4.5/300 mm
		
HC 2.8/80 mm	HC 3.2/150 mm	HC 3.5-4.5/50-110 mm
		
HC 1.7X converter	All C-type lenses from the V system with optional CF lens adapter	