

HASSELBLAD H2D

The H2D is the world's finest high-end, 22Mpix based, digital auto focus camera. The H2D is designed around the Hasselblad H2 camera with its range of high performance, leaf shutter based lenses. Altogether the H2D offers the highest level of integration, image quality and flexibility to the professional photographer.



Large format digital capture

Today's photographers demand higher resolution, less noise, and improved flexibility, all of which the H2D addresses. The H2D and H2 cameras use an optical format allowing for digital capture with sensors more than twice the physical size of today's 35mm sensors. The sensor therefore holds more and larger pixels, which secure a high-end image quality in terms of moiré free color rendering without gradation break-ups in even the finest lit surfaces.

Three modes of operation and storage

Optimum portability and image storage are critical for the professional photographer. The H2D offers a free choice of portable CF card storage, flexible Firewire drive or tethered operation with extended, special capture controls. With these three operating and storage options, the photographer is able to select a mode to suit the nature of the work at hand, whether in the studio or on location.

Direct shooting to Adobe DNG

Hasselblad has partnered closely with Adobe to make its new products fully compatible with Adobe's raw image format DNG ('Digital NeGative'), bringing this new technology standard to the professional photographer for the first time. The DNG file format enables raw, compressed image files to be opened directly in Adobe PhotoShop. Hasselblad image files now carry a full set of metadata, including capture conditions, keywords and copyright, facilitating work

with image asset management solutions. For specialist commercial photographers the full productivity and creative freedom, e.g. live video, overlay masking and tethered operation, is offered by Hasselblad's FlexColor workflow software via importing the DNG file.

FlexColor workflow for the specialist commercial photographer

FlexColor offers an image processing workflow with the highest degree of control for the studio photographer. In tethered operation, tools like live video and overlay masking help bring productivity to advanced set composition. The newest FlexColor version allows the photographer to manipulate colour temperature and compare image details across multiple images for precise image selection. FlexColor uses raw DNG files generated by the Ixpress H2D as its base.

FlexColor runs natively on both Macintosh and Windows platforms and is licensed to allow you to provide free copies for all your co-workers and production partners.

Instant Approval Architecture

Limitless digital image capture loses some of its potential if the photographer cannot quickly review and select the best images to present to the client. Building on the success of its Audio Exposure Feedback technology, Hasselblad has created Instant Approval Architecture (IAA), an enhanced set of feedback tools, designed to liberate the photographer to focus on the shoot rather than the

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selection process. IAA triggers audible and visible signals for each image captured, telling the photographer immediately whether the image has a red, yellow or green light status. The information is recorded both in the file and in the file name, providing a quick and easy way to classify and select images, in the field or in the lab. A larger, enhanced OLED display provides a realistic, high quality and perfect contrast image view, even in bright sunlight, to allow instant on-site image approval. IAA is a Hasselblad trademark and is patent pending.

“Instant” user interface

The Ixpress H2D is operated with a straight forward user interface with a series of “instant” one-button-click operations including: instant capture, instant browse, instant approval, instant zoom, and instant image info.

Colour refinement – new colour handling concept

Colour management solutions have in the past imposed limitations on professional digital photographers, particularly when capturing various skin tones, metals, fabrics, flowers etc. To combat this, Hasselblad has developed a new, powerful colour engine in its FlexColor workflow software. With one camera set up, the new optimised colour engine produces reliable out-of-the-box colour without gradation, with skin tones and other difficult colours reproduced accurately.

Modular design

A clean and dust-free sensor is essential and the modular design of the camera allows for easy access to and cleaning of the sensor, saving you hours of retouching work later.



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SPECIFICATIONS DIGITAL FEATURES	
Sensor size	22 Mpixels (4080 x 5440 pixels)
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	CF card, External FireWire disk or tethered
Storage capacity	Over 850 images on a 40 GByte disk
Battery type	Powered from the camera battery (Li-Ion)
Capture rate	1.5 seconds / image including preview
Color display	OLED 2.2"
Histogram feedback	Yes (on camera LCD and rear monitor)
Acoustic feedback	Yes
File format	Compressed Adobe DNG (Lossless JPEG)
Software	Adobe Photoshop CS or Flexcolor
Platform support	Mac OSX, NT, 2000, XP
Host connection type	FireWire 800 (IEEE1394b)
Operating temperature	0 - 45 °C / 32 - 113 °F
Dimensions	Complete camera w. 2,8/80 mm lens: 153 x 131 x 213 mm [W x H x D]
Weight	2175 g (Complete camera with Li-Ion battery and CF card)

SPECIFICATIONS CAMERA FEATURES	
Camera type	Interchangeable viewfinder and lenses.
Lenses	Hasselblad HC lenses with integral leaf shutter. All C type lenses from the V system with optional CF lens adapter.
Shutter speed range	1/800 s to 32 seconds.
Flash sync speed	Flash can be used at all shutter speeds.
Viewfinder	90° reflex viewfinder w. diopter adjustment (-4 to +2.5D). Image magnification 2.7 times. 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 at ISO 100.
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.
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	Rechargeable Li-ion battery (7.2 VDC / 1850 mAh). Optional cassette for 3 CR-123 Lithium batteries available.
Film compatibility	No

See also specification for Hasselblad H2 camera. Excluding the film and digital compatibility parts.

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H2D 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	