HASSELBLAD H2

The Hasselblad H2 camera is the most versatile medium-format camera on the market today, handling digital and analogue capture with equal ease. It is designed for the toughest professional use and is equipped with an impressive array of user-friendly features. The H2 camera builds further on the H1 camera that was introduced in 2002 and lists new digital features to make digital high-end capture as easy as point-and-shoot. In combination with the latest Hasselblad CF digital backs, the H2 can take full advantage of powerful features such as "Instant Approval Architecture" and "Hasselblad Natural Color Solution" for rapid and secure workflow. Other features are additional metadata stored in the image file to make further image enhancement possible as well as functions to support the "Instant-approval architecture" in the Hasselblad CF digital backs.

Large format digital capture

The H2 camera uses an optical format allowing for digital capture with sensors more than twice the physical size of today's 35mm sensors. The sensor can therefore hold more and larger pixels, which secure a high-end image quality in terms of high fidelity colour rendering without gradation break-ups even in the brightest highlight areas and with low noise in shadow areas.

Wide range of high performance lenses

The H2 lens program is designed and engineered by Hasselblad to meet the highest optical specifications. H System lenses cover a wide spectrum of focal lengths and feature the fastest and most precise 645 autofocus system there is today. The integral lens shutters allow for flash sync down to 1/800 second. The lens shutter also provides silent and vibration-free operation.

Superior viewfinder

The viewfinder is the most important interface between the photographer and the subject. The large and bright viewfinder of the H2 camera shows the image crisp and clear, letting you work even in dim lighting with perfect result.

Advanced exposure control

The exposure can be controlled either by sophisticated exposure automation or with full manual control.

Customizable

To make the camera suit specific requirements its design includes over 30 functions that can be tailored by the user.

Programmable

The camera features four buttons than can easily be programmed as short-cuts to the most used functions of the camera. In this way you can instantly reach your favourite function just by clicking a button.

Profiles for simplicity and safety

A camera like the H2 has a great number of functions that can be set by the user for optimal use. Stressful situations demand a fool-proof way of making these changes and so the "Profiles" function was adopted. The profile is actually a memory where all settings in the camera can be stored with one click of a button. This memory can later also be recalled by a click of a button. This saves you time, but perhaps most important, it prevents mistakes from happening.

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90° viewfinder

The HV90X viewfinder offers near 100% image view and eyesight dioptre correction. The large eyepiece also allows full image view even when wearing glasses.

Built-in fill flash

The viewfinder also features a compact flash. Though primarily intended to be used as fill flash it can also be used as main flash in some cases. The flash has a metric guide number of 12, but when used as fill flash with -2 stops adjustment it is equal to guide number 24.

Automatic flash

With the SCA 3902 flash adapter, any flash compatible with the SCA3002 system can be used. This means that you can choose from small and compact flashes for extremely portable use as well as larger and more powerful flashes when so required.

Flash metering system

The built-in flash metering system is designed to be used when working with manually controlled flashes, such as studio flashes.

Interchangeable film backs

The film back for the H2 camera features inserts than can handle both 120 and 220 film. If you use Bar coded film (defined by FUJIFILM) the setting of both film type and ISO value is automatic. Film wind-on and wind-off is also automatic with all films.

Customizable data imprinting

Data, e.g. exposure parameters, can be printed along the film edge and outside of the image area. The imprint function can include a user selectable text string that will also be printed on the film. This text string is also added to the image meta data when using Hasselblad CF digital backs.

Dot-matrix displays

The grip LCD and the viewfinder LCD is of dot-matrix type. This means that the camera is able to present clear and easy-to-understand information and messages instead of fixed and sometimes not so obvious symbols.

Lens optimization data

The camera supplies extra unique information to the Hasselblad CF digital back to make automatic image enhancement possible resulting in unparalleled digital image quality.

Instant Approval Architecture

As an integral part of Hasselblad's digital solutions the H2 is fronting the Instant Approval Architecture from the split second of capture. 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. See also product sheet for Hasselblad CF digital back. Available at www.hasselblad.com.

A Future-safe investment

The firmware in the H2 camera is upgradeable, meaning that existing cameras will acquire new features just by upgrading. This can easily be carried out by the user simply by connecting the camera with a Hasselblad CF digital back to a computer.

Hasselblad quality and support

The H2 camera is built to the very strict standards that have always has been used by Hasselblad, ensuring a long life even with tough use. However, the camera, just like your car, requires regular service to function optimally.

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SPECIFICATIONS	
Camera type	SLR type camera with interchangeable lenses, viewfinder and magazines.
Lenses	Hasselblad HC lenses with integral leaf shutter (excluding the HCD28 designed for H3D). Autofocus or manual focusing. All C-type lenses from the V system with optional CF lens adapter.
Shutter	Electronically controlled integral lens shutter in each lens. Shutter speed range 1/800 s to 18 hours (32 seconds with digital capture)
Image format	56 x 41.5 mm (Width x Height)
Viewfinder Viewfinder option	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™. Image view: near 100% HVD Waistlevel viewfinder.
Focusing screen	Acute Matte type D with markings for spot metering area and AF sensitive area. Optional screen with grid markings available.
Focusing	Automatic and manual focusing. Instant manual focus override. AF metering with passive central cross-type sensor. Metering range EV 1 to 19 at ISO100.
Focusing modes	Manual with optional focus indication in viewfinder, Single shot AF and Continuous AF. Focus lock available in AF modes either with shutter release or any of the four programmable buttons.
Flash control	Automatic TTL-OTF 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. ISO range 16 to 6400 (excluding any exposure adjustment).
Exposure metering	Metering options: Spot, Centre weighted and Average. Metering range Spot: EV2 to 21, Centre weighted: EV1 to 21, Average: EV1 to 21. Exposure adjustment from -5 to +5 EV in 1/3 stops. Exposure lock with separate button.
Exposure modes	Exposure modes: Manual, Aperture priority, Shutter speed priority, Programmed and Programmed Variable.
Automatic bracketing	Available with 2, 3, 5, 7 or 9 frames. 1/3, 1/2 or 1 EV step. Exposure sequence can be changed.
Interval timer	Unlimited number of frames. Interval time can be set from 1 second to 1 hour.
Multi exposure	Number of exposures can be set to 2, 3, 4, 5 and no limit.
Flash metering	Available when using manully controlled flashes.
Flash sync speed	Flash can be used at all shutter speeds. Flash can be synchronized in the beginning or at the end of the exposure.
Flash sync connection	TTL hot-shoe on viewfinder or standard PC connector on camera body.
Film types	120 full (16 exposures), 120 half-length (8 exposures) or 220 type film (32 exposures). Automatic setting of ISO and film type when using Barcoded film. Automatic film wind-on and wind-off.
Film magazine	Interchangeable film magazine with insert for both 120 and 220 film type. Integral curtain type dark slide. Multi mode data imprinting outside image area. Features Bar code recognition.
Camera displays	Two dot-matrix LCD's, one on the camera grip and one in the viewfinder. One segment base LCD on the magazine.
Power supply	Rechargeable Li-ion battery (7.2 VDC / 1850 mAh). Cassette for 3 CR-123 Lithium batteries included.
Digital compatibility	All Ixpress, Hasselblad CF and Hasselblad CFH digital backs. Approved 3rd party digital backs.
External dimensions	Camera body: 144 x 110 x 88 mm. 90˚ viewfinder: 78 x 47 x132 mm, Film magazine: 97 x 83 x 56 mm, Lens 2,8/80 mm: 83 x 69 mm. Complete camera: 153 x 131 x 200 mm. [W x H x D or length x diameter]
Weight	Camera body: 830 g. 90˚ viewfinder: 330 g, Film magazine: 475 g (incl film), Lens 2,8/80 mm: 450 g

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H system lens range

HC 3.5/35 mm	HC 3.5/50 mm	HC 2.8/80 mm
HC 2.2/100 mm	HC Macro 4/120 mm	HC 3.2/150 mm
HC 4/210 mm	HC 4.5/300 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	

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