

H6D-50c/H6D-100c

DATASHEET

	H6D-50c	H6D-100c
Sensor type	CMOS, 50 megapixels (8272 × 6200 pixels, 5.3 × 5.3 µm)	CMOS, 100 megapixels (11600 × 8700 pixels, 4.6 × 4.6 µm)
Sensor dimensions	43.8 × 32.9mm	53.4 × 40.0mm
Image size	Stills: RAW 3FR capture 65MB on average. TIFF 8 bit: 154MB; Video: HD (1920 x 1080p)	Stills: RAW 3FR capture 120MB on average. TIFF 8 bit: 289MB; Video: HD (1920 x 1080p), UHD (3840 x 2160p)
File format	Stills: Lossless compressed Hasselblad 3FR, 1/4 size JPEG Video: H.264 Compressed (30 fps), Hasselblad RAW	Stills: Lossless compressed Hasselblad 3FR Video: H.264 Compressed (30 fps) (HD only), Hasselblad RAW (HD & UHD)
Shooting mode	Single shot stills, Video	Single shot stills, Video
Colour definition	16 bit; Dynamic range approx. 14 stops	16 bit; Dynamic range 15 stops
ISO speed range	ISO 100, 200, 400, 800, 1600, 3200, 6400	ISO 64, 100, 200, 400, 800, 1600, 3200, 6400, 12800
Storage options	CFast card, SD card or tethered to Mac or PC	CFast card, SD card or tethered to Mac or PC
Colour management	Hasselblad Natural Colour Solution	Hasselblad Natural Colour Solution
Storage capacity	16GB card holds 240 images on average	16GB card holds 120 images on average
Capture rate	1.7-2.3 capture rate per second	TBD
Display	3 inch TFT type, 24 bit colour, 920K pixels; Touch functionality: Yes, full support Live View: On camera, host and iOS device with high frame rate (30 fps)	3 inch TFT type, 24 bit colour, 920K pixels; Touch functionality: Yes, full support Live View: On camera, host and iOS device with high frame rate (30 fps)
Histogram feedback	Yes (on rear display and on camera grip display)	Yes (on rear display and on camera grip display)
IR filter	Mounted in front of sensor	Mounted in front of sensor
Acoustic feedback	Yes	Yes
Software	Phocus for Mac and Windows	Phocus for Mac and Windows
Platform support	Macintosh: OSX version 10.9; PC: XP/Vista/Windows 7 (32 and 64 bit)/ 8 / 10	Macintosh: OSX version 10.9; PC: XP/Vista/Windows 7 (32 and 64 bit)/ 8 / 10
Host connection type	USB 3.0 (5 Gbit/s) Type-C connector, Mini HDMI, Audio In/Out	USB 3.0 (5 Gbit/s) Type-C connector, Mini HDMI, Audio In/Out
Additional connections	Mini HDMI, Audio In/Out, Flash sync In/Out, Power In	Mini HDMI, Audio In/Out, Flash sync In/Out, Power In
View camera compatibility	Yes, Mechanical shutters controlled via flash sync. Electronic shutters can be controlled from Phocus	Yes, Mechanical shutters controlled via flash sync. Electronic shutters can be controlled from Phocus
Operating temperature	- 10 °C to + 45 °C / 14 – 113 °F	- 10 °C to + 45 °C / 14 – 113 °F
Wi-Fi	802.11 a, b, g, n (depending on region)	802.11 a, b, g, n (depending on region)
Dimensions	Complete camera w/ HC80 lens: 153 x 131 x 205mm [W x H x D]	Complete camera w/ HC80 lens: 153 x 131 x 205mm [W x H x D]
Weight	2115g (Complete camera w/ HC80 lens, Li-Ion battery and card)	2130g (Complete camera w/ HC80 lens, Li-Ion battery and card)
Camera type	Large sensor medium format DSLR	Large sensor medium format DSLR
Lenses	Hasselblad H system lens line with integral central lens shutter	Hasselblad H system lens line with integral central lens shutter
Shutter speed range	60 minutes to 1/2000 sec (depending on lens type used)	60 minutes to 1/2000 sec (depending on lens type used)
Flash sync speed	Flash can be used at all shutter speeds	Flash can be used at all shutter speeds
Viewfinder options	HVD 90x: 90° eye-level viewfinder w. dioptre adjustment (-5 to +3.5D). Image magnification 3.1x. Integral fill-flash (GN. 12 @ ISO100). Hot shoe for SCA3002-system flashes from Metz™ HV 90x II: 90° eye-level viewfinder w. dioptre adjustment (-4 to +2.5D). Image magnification 2.7x. Integral fill-flash (GN. 12 @ ISO100). Hot shoe for SCA3002-system flashes from Metz™ HVM: Waist-level viewfinder. Image magnification 3.2x	HVD 90x: 90° eye-level viewfinder w. dioptre adjustment (-5 to +3.5D). Image magnification 3.1x. Integral fill-flash (GN. 12 @ ISO100). Hot shoe for SCA3002-system flashes from Metz™ HV 90x II: 90° eye-level viewfinder w. dioptre adjustment (-4 to +2.5D). Image magnification 2.7x. Integral fill-flash (GN. 12 @ ISO100). Hot shoe for SCA3002-system flashes from Metz™ HVM: Waist-level viewfinder. Image magnification 3.2x
Focusing	Autofocus metering with passive central cross-type sensor. Ultra focus digital feedback. Instant manual focus override. Metering range EV 1 to 19 at ISO 100	Autofocus metering with passive central cross-type sensor. Ultra focus digital feedback. Instant manual focus override. 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	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	Spot, Centre Weighted and CentreSpot Metering range Spot: EV2 to 21, Centre Weighted: EV1 to 21, CentreSpot: EV1 to 21	Spot, Centre Weighted and CentreSpot Metering range Spot: EV2 to 21, Centre Weighted: EV1 to 21, CentreSpot: EV1 to 21
Power supply	Rechargeable Li-ion battery (7.2 VDC/3200 mAh); Socket for external power	Rechargeable Li-ion battery (7.2 VDC/3200 mAh); Socket for external power
Film compatibility	Yes	Yes