# HASSELBLAD
### CREATE TO INSPIRE

# 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 x 32.9mm | 53.4 x 40.0mm |
| Image size | Stills: RAW 3FR capture 106MB on average. TIFF 8 bit: 154MB; Video: HD (1920 x 1080p) | Stills: RAW 3FR capture 207MB on average. TIFF 8 bit: 289MB; Video: HD (1920 x 1080p), UHD (3840 x 2160p) |
| File format | Stills: Hasselblad 3FR, 1/4 size JPEG<br>Video: H.264 Compressed (25 fps), Hasselblad RAW (25 fps) | Stills: Hasselblad 3FR<br>Video: H.264 Compressed (25 fps, HD only),<br>Hasselblad RAW (25 fps, 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 140 images on average | 16GB card holds 72 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:<br>Yes, full support<br>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:<br>Yes, full support<br>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 (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 | 802.11a,b,g,n,ac (depending on region) | 802.11a,b,g,n,ac (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™<br>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<br>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™<br>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™<br>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™).<br>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™).<br>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<br>Metering range Spot: EV2 to 21, Centre Weighted: EV1 to 21, CentreSpot: EV1 to 21 | Spot, Centre Weighted and CentreSpot<br>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 |

2017-03-20