

CFV 100C Digital Back

General	
Camera Type	Medium format digital back with autofocus, auto-exposure
Construction	Machined aluminium
Sensor Type	Back-side illuminated (BSI) CMOS, 100 megapixels (11656 × 8742 pixels, pixel size 3.76µm)
Sensor Dimensions	43.8 × 32.9mm
IR Filter	Mounted in front of sensor
Operating Temperature ^[1]	-10° to 45° C (14° to 113° F)
Operating Humidity	No more than 85% without condensation
Supported Cameras	907X camera body, most of Hasselblad V System cameras built from 1957 onwards (SWC excluded)
Supported Lenses	Hasselblad XCD Lenses; all HC/HCD, XPan, and V System Lenses using the corresponding lens adaptor
Lens Equivalent Focal Length	Multiplier for full-frame lens equivalent focal length is 0.78
Dimensions	91 × 92 × 61mm
Weight (battery and memory card excl.)	460g
Image and Storage	
File Format	Hasselblad 3FR RAW, full size JPG and HEIF
Image Size	3FR RAW: 206MB on average JPG: 40MB on average HEIF: 20MB on average
Colour Definition	16-bit; dynamic range up to 15 stops
Colour Depth	Hasselblad 3FR RAW can be set to 14-bit or 16-bit HEIF: 10-bit
Colour Management	HNCS
Capture Rate	Up to 3.3fps in a 14-bit colour depth
Storage Options	Built-in 1TB SSD. Extra CFexpress Type B card with a max storage capacity of 512GB supported
Recommended Memory Cards	Sony CEB-G series CFexpress Type B memory cards (128GB) SanDisk Extreme Pro CFexpress Type B memory cards (128GB, 256GB, 512GB)
Interface	
Host Connection Type	USB 3.1 Gen2 Type-C connector (transfer speed up to 10Gbit/s)

Expansion Connection	Hot shoe contacts
Extra Ports	Shutter control port, flash sync input, flash sync output, ELX output
Shutter	
Shutter Modes	Mechanical shutter, electronic shutter
Shutter Type	Electronically controlled leaf shutter
Shutter Speed	68 min to 1/4000s with XCD Lenses. ^[2] Up to 1/800s or 1/2000s with HC/HCD Lenses. Electronic shutter 68 min to 1/6000s
Exposure Control	
ISO Speed Range	ISO Auto, 64, 100, 200, 400, 800, 1600, 3200, 6400, 12800, 25600
Exposure Metering	Spot, centre weighted, and centre spot
Exposure Modes	P/A/S/M/AUTO
Metering Range	Minimum -3 EV
Exposure Compensation	Manually adjusted between -5 to 5 EV with a step of 1/2 or 1/3
Capture and Focusing	
Drive Modes	Single Drive, Continuous Drive, Self Timer, Interval Timer, Exposure Bracketing, Focus Bracketing
Autofocusing Type	PDAF and CDAF
PDAF Zones	294
Autofocusing Method	AF-S (single), face detection supported
Touch	Touch AF and Move AF Point supported
Manual Focus	Focus Indicator, Zoom In, and Focus Peaking supported
Display	
Screen Type	Touch display including click, drag, and pinch/spread to zoom
Display Specifications	3.2-inch TFT type, 24-bit full-colour, 2.36-million-dot (1024×768)
Tilting Angle	40°, 90°
Histogram Feedback	Supported in Live View and Browse modes
Power Supply	
Battery Type	Rechargeable Li-ion battery (7.27V DC/3400mAh)
Charging Method	Connect the USB-C port on the camera to an external power supply
Charging Time	Approximately two hours to fully charge the battery using the included 30W USB-C charger and USB-C to USB-C cable
Charging Temperature	5° to 40° C (41° to 104° F)

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DATASHEET

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Endurance	420 images as measured under conditions specified by CIPA
Software	
Phocus Mobile 2	Phocus Mobile 2 is compatible with iPad models and iPhone Xs or above with more than 3GB of RAM running on iOS 15.0 or later
Phocus for Mac/PC	Phocus is compatible with computers with 8GB of RAM or more running on macOS 10.15 or later, or Windows 7 64-bit or later
Flash	
Flash Sync Speed	Flash can be used at all shutter speeds. Mechanical shutter only
Flash Control	ISO 64 to 25600 Output adjustable from -3 to +3 EV
Flash Compatibility	In TTL-mode, the following Flash products can be used: Nikon Flash: SB-300, SB-500, SB-700, SB-5000 Profoto Flash: A10, A1, air remotes: Connect Pro, Connect, Air Remote TTL
Guaranteed software updates until	2028/12/31

907X Camera Body

Construction	Machined aluminium
Weight	160g
Dimensions	102 × 91 × 28mm
Connection Type	Control Grip Contacts
Operating Temperature	-10° to 45° C (14° to 113° F)
Operating Humidity	No more than 85% without condensation

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Weight (battery and memory card excl.)	620g
Dimensions	102 × 92 × 84mm

[1] When the camera is in a high temperature environment, the internal temperature of the camera may exceed 45° C due to the heat generated on its own during operation. This will trigger the overheating alarm and automatic shutdown.

[2] The fastest shutter speed varies depending on the lens in use. Refer to the datasheet of the corresponding lens.

The specifications are subject to change without notice.

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