

Hasselblad 907X 100C Mirrorless Medium Format Digital Camera Specification

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Specifications

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:	-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, center weighted, and center 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:

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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 (1024x 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)
Endurance:	420 images as measured under conditions specified by CIPA

Software

Phocus Mobile 2:	Phocus Mobile 2 is compatible with iPad models with 3GB of RAM or more and with iPhone X or later models running 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

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



907X & CFV 100C

Weight (battery and memory card excl.): 620g

Dimensions: 102 × 92 × 84mm