General	
Camera Type	Medium format digital camera with autofocus, auto-exposure
Construction	Machined aluminium. Tripod socket 1/4″
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 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	148.5 × 106 × 75mm
Weight	840g (camera body with the battery), 730g (camera body only)
Image and Storage	
File Format	Hasselblad 3FR RAW, full size JPG and HEIF
Image Size	3FR RAW: 206MB on average JPG: 32MB on average, HDR JPG: 40MB on average HEIF: 20MB on average, HDR HEIF: 28MB on average
Colour Definition	16-bit, dynamic range up to 15.3 stops
Colour Depth	Hasselblad 3FR RAW can be set to 14-bit or 16-bit HEIF: 10-bit
Colour Management	Hasselblad Natural Colour Solution with High Dynamic Range (HNCS HDR) [2]
Capture Rate	Up to 3 fps in Continuous drive mode (measured in AF-C autofocus continuous mode)
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) Lexar Professional CFexpress Type B Card DIAMOND Series (128GB, 256GB)
Interface	
Host Connection Type	USB 3.1 Gen2 Type-C connector (theoretical bandwidth 10Gbit/s)
Expansion Connection	Hot Shoe Contacts
Extra Ports	Shutter control port, supporting the Hasselblad Release Cord X
Shutter	
Shutter Modes	Mechanical shutter, electronic shutter
Shutter Type	Electronically controlled leaf shutter
Shutter Speed	68 min to 1/4000s with XCD Lenses. [3] 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, 50, 100, 200, 400, 800, 1600, 3200, 6400, 12800, 25600
Exposure Metering	Smart metering [4], 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, 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, CDAF, and LiDAR
PDAF Zones	425
Autofocusing Method	AF-S autofocus single, AF-C autofocus continuous [5], supporting Human, Cat/Dog, and Vehicle detection
Touch	Touch AF in MF 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	3.6-inch wide colour gamut OLED with 100% colour gamut coverage of Display P3, 1,000 nits sustained brightness (typical), 1,400 nits peak brightness (HDR), contrast ratio 2,000,000:1 (typical), D65 display colour temperature, 2.36-million-dot
Tilting Angle	Waist-level shooting (90° upward tilting), downward tilting shooting (max tilt angle of 42.7°)
Histogram Feedback	Supported in Live View and Browse modes
HDR Highlight Preview	Supported highlight preview for JPG and HEIF images with HDR enabled
Top Display	
Display Specifications	1.08-inch TFT 18-bit full colour, 158,400-dot
Electronic Viewfinder (EVF)	
Display Specifications	Micro-OLED screen, 5.76-million-dot
Viewing Area	100%
Magnification	Approx. 1.00x with 65mm medium format lens at infinity, $-1m^{-1}$
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 official 30W USB-C charger and USB-C to USB-C cable
Charging Temperature	5° to 40° C (41° to 104° F)
Endurance	Measured according to CIPA standards, battery life is 327 shots. When preview time is set to Hold and HDR function is off, battery life is 466 shots. [6]
Software	
Phocus Mobile 2	Basic operating requirements: Compatible with iPad or iPhone models with more than 3GB of RAM running iOS 16.2 or later. HDR function requirements: For optimal HDR effect, it is recommended to use iPhone 13 Pro or later models (6GB of RAM or more), iPad Pro 11-in. (M4), iPad Pro 12.9-in. (5th generation or later), and iPad Pro 13-in. (M4), and update to iOS 18 or later, with low power mode off. Low power mode, high temperature environments and high screen brightness will affect HDR effects.

Phocus for Mac/PC	Basic operating requirements: Compatible with devices with 8GB RAM or more running macOS 12.0 or later, or Windows 10 64-bit or later. HDR function requirements: For optimal HDR effects, it is recommended to use a MacBook Pro equipped with a Liquid Retina XDR display and updated to macOS 12.0 or later. Phocus for PC does not support HDR function currently.
Stabilisation	
Stabilisation	5-axis, 10-stop in-body stabilisation [7]
Flash	
Flash Sync Speed	Flash can be used at all shutter speeds. Mechanical shutter only
Flash Control	ISO range from 50 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

[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] HDR function should be enabled in the camera settings menu. HDR is not supported in the following situations: shooting mode set to Focus Bracketing, Continuous, or Exposure Bracketing; Exposure mode set to Manual (M); when connected to a Nikon-compatible flash; image format set to "RAW" only.
HDR HEIF images only support HDR display on X2D II 100C or in Phocus Mobile 2 or Phocus for Mac. To view HDR JPG images, it is recommended to use the latest versions of applications such as Phocus Mobile 2, Phocus for Mac, iPad/iPhone Photos app (iOS 18 or later), MacBook Pro Preview app (macOS 15.0 or later), Google Chrome, Adobe Lightroom, and Adobe Camera Raw. Device requirements are the same as the requirements for using HDR function in Phocus Mobile 2 and Phocus. Some social media apps, such as Instagram and rednote, can display HDR effect on compatible devices. However, the display effect may vary depending on the software and hardware of the device and the compatibility change of the app. Please refer to the actual situation.

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

[4] Smart Metering is supported only when HDR is enabled. When HDR is enabled, the metering mode will be set to Smart Metering automatically and cannot be changed to other modes.

[5] AF-C is available only when the electronic shutter is off. AF-C is supported only when using the XCD 2,8-4/35-100E, XCD 2,5/38V, XCD 2,5/55V, XCD 2,5/25V, XCD 2,5/90V, XCD 4/28P, and XCD 3,4/75P lenses. Update the lens firmware to the latest firmware.

[6] Measured with the XCD 4/28P lens. Battery life varies when used with different lenses.

[7] 10-stop stabilisation at the image centre and 8-stop at the edges. Measured by Hasselblad with the XCD 3,5/120 Macro lens using CIPA standards.

The specifications are subject to change without notice.