





what the world's best photography is made of

## Phase One XF 100MP The Ultimate Camera System

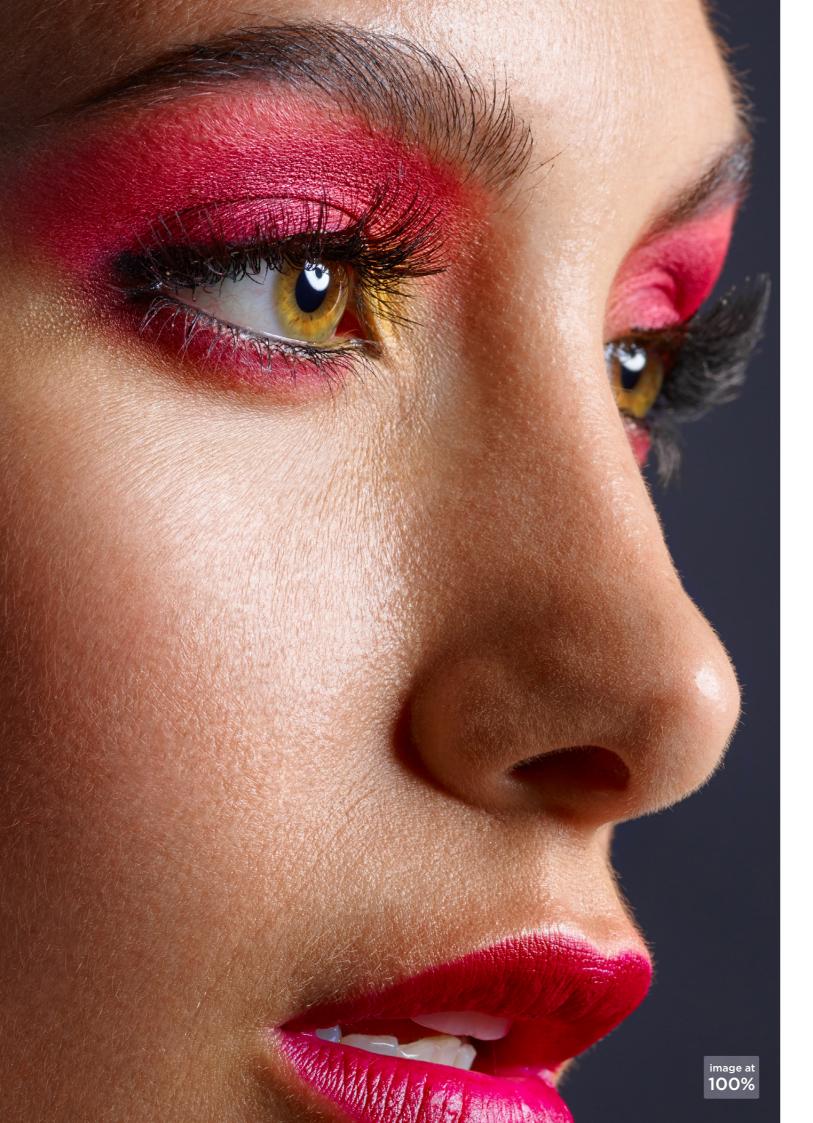
## Dedicated to Image Quality

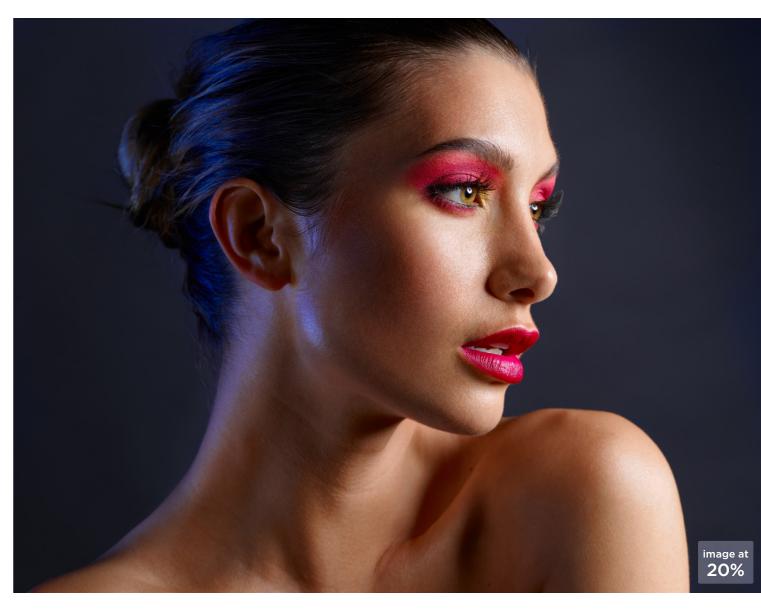
For more than 20 years we at Phase One have been pushing the limits of digital image quality. Striving to create the ultimate experience for professional photographers that demand the best in image quality and creative freedom, we've made every possible effort to ensure Image Quality is emphasized above all else. No effort is too great or decision too small when we consider how Phase One can optimize the end result and guarantee the ultimate photograph. With the XF 100MP Camera System, everything we have been working on finally comes together in one system. Ultimate image quality combined with the ultimate creative freedom. Introducing the XF 100MP Camera System - What the worlds best photography is made of.

Innovation and Application developmen









# Ultimate Resolution

### 100MP Full Frame CMOS Perfection

We were the first to offer you Full Frame Medium Format CCD systems and now we're proud to be the first to offer a Full Frame Medium Format CMOS solution. The Phase One XF 100MP Camera System offers the same great advantages of full frame usability with the added benefits of CMOS technology. No lens crop factors, no focus screen masks, just uncompromising ultimate image quality from edge to edge.



© Alexander Flemming Shot with XF 100MP and Schneider Kreuznach 120mm LS Macro





© Alexia Sinclair, Shot with XF 100MP and Schneider Kreuznach 80mm LS f/2.8

# Ultimate Color

### 16 bit Color

The first CMOS based Medium Format system capable of capturing and processing full 16-bit color, the Phase One XF 100MP processes full color depth throughout the entire imaging pipeline. The result is a CMOS system that can deliver colors just as the previous leader in image quality, our exclusive Phase One CCD based counterparts. Not only does the XF 100MP Camera System capture the full color depth data, but the captured colors are optimized in-house by Phase One's image professor Niels V. Knudsen and his team, ensuring the very best in image quality from Capture One software.

"The XF 100MP captures the intricate detail of my creations with such astonishing precision, it surpasses every expectation I ever dreamt possible."

- Alexia Sinclair

# Ultimate Dynamic Range

#### 15 Stops Dynamic Range

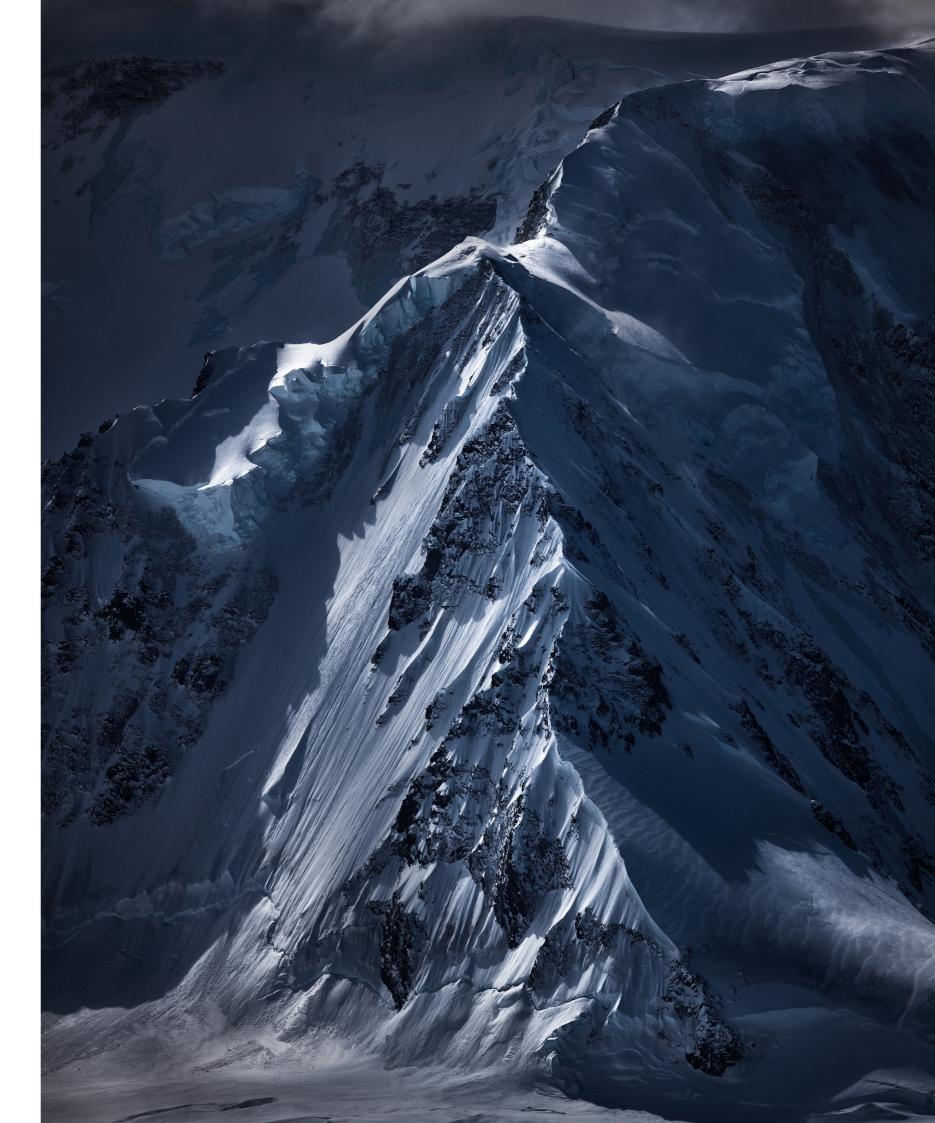
The Phase One XF 100MP Camera System delivers an unparalleled 15 stops of dynamic range, retaining unmatched detail in both highlights and shadows. This is the highest performing system in terms of dynamic range that the Medium Format world has to offer. The Phase One XF 100MP Camera System is engineered to provide the detail and unmatched quality, demanded by the worlds leading photographers.

"...People ask me what's the most important attribute of a medium format file. For me, it's not pixels or even the lenses, it's the incredible dynamic range..."

- Peter Eastway



© Peter Eastway Shot with XF 100MP and Schneider Kreuznach 240mm LS f/4.5





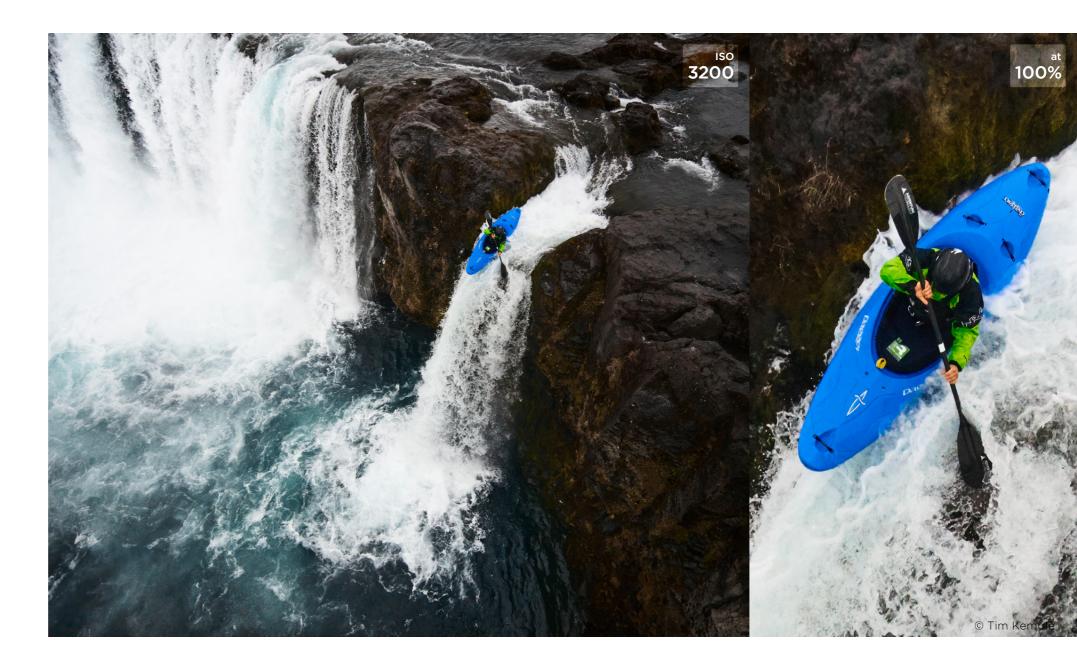


© Peter Eastway Shot with XF 100MP and Schneider Kreuznach 55mm LS f/2.8

## Ultimate Workflow

#### Fast and Fluid Live View

One of the main advantages of CMOS technology is the stunning sensor read-out speed. One benefit from this read-out speed is fast and fluid Live View enabling simple, clear and precise focus in real-time as well as immediate reference for dynamic composition. With Phase One XF Medium Format Camera Systems and high-resolution imaging, focus can be critical and Live View can ensure consistent success.





## Ultimate ISO Flexibility

#### ISO 50 - 12800

The new Phase One XF 100MP Camera System offers clean and crisp images from ISO 50 to 12,800, providing the freedom to capture incredible high-resolution images across a range of photographic disciplines. The extensive ISO flexibility offers full control of every capture scenario, with unprecedented support and integration through Capture One's proprietary software algorithms.

"The XF 100MP has the best high ISO performance of any camera l've used. Over 100MP, dynamic range to kill for, and high ISO performance that is better than anything else out there, what's not to love?"

- Tim Kemple

# Capture One Pro 9

Ultimate Power, Quality, Precision

#### The Capture One Difference

CMOS sensor technology allows for an unmatched Live View experience. With the IQ3 50MP, and now the IQ3 100MP, Live View is greatly improved with the ability to capture during Live View operation. Whether you are using Live View on the digital back itself or through Capture One Pro, a simple click of the shutter will capture your image at full resolution just as you are seeing it in real-time. Once the image is captured, you'll seamlessly return to live view to continue your required workflow.



# Ultimate Service & Support

Phase One offers the best in-class support, promising our hardware users a response from the globally positioned support team within 8 hours, regardless of location and no matter what the concern. "We promise to respond within 8 hours. But typically, that is 7 hours more than we need" – Ulf Liljegren, Phase One Support Manager



Offering an unprecedented and industry leading 5-year warranty, Phase One covers the entire system from top to bottom, lens to sensor. If your Phase One system should suffer a fault within 5 years, we will tackle repairs without hesitation.

Exclusive to Phase One, we provide you with a worry free 5-year uptime guarantee. This guarantee provides you access to loan equipment should you need to send us your system for any reason, as well as on site service should it be necessary.

## XF 100MP The Ultimate Camera System

## Imaging Sensor



|                           |                                   | XF 100MP                  |                   |
|---------------------------|-----------------------------------|---------------------------|-------------------|
| Resolution                | 101 Megapixel                     |                           |                   |
| Long exposure             | 60 minutes                        |                           |                   |
| 16 bit Opticolor+         | yes                               |                           |                   |
| Dynamic range             | 15 stops                          |                           |                   |
| Sensitivity (ISO)         | 50 - 12800                        |                           |                   |
| Lens factor               | 1.0                               |                           |                   |
| Sensor type               | CMOS                              |                           |                   |
| Sensor Size               | 53.7 x 40.4                       |                           |                   |
| Active pixels             | 11608 x 8708                      |                           |                   |
| Pixel size (micron)       | 4.6 x 4.6                         |                           |                   |
| Output image dim. 300 DPI | 98.3 x 73.2 cm                    |                           |                   |
| Output image dim. 600 DPI | 49.1 x 36.9 cm                    |                           |                   |
| Mount options             | XF / DF <sup>+</sup> / Hasselblad |                           |                   |
| Tethered capture          | Firewire 400                      | /800                      | USB 2/3           |
| Live View                 | IQ3 Touch<br>Screen               | via USB to<br>Capture One | to HDMI<br>output |

#### For more information check the technical specification inlay

### Controls & UI



#### Camera OS

| User Interface               | OneTouch UI        |  |
|------------------------------|--------------------|--|
| Screen layouts               | 2 standard layouts |  |
| Custom modes                 | 3 configurations   |  |
| Custom settings              | 80+ settings       |  |
| User upgradeable<br>via Back | yes                |  |

Easturos

## Focus & Autofocus

## HÔNEYBEE Autofocus platform



### Viewfinder



### Size & Weight



What's in the box



Capture & Light metering



|                           | Features                            |                   |                      |                                      |
|---------------------------|-------------------------------------|-------------------|----------------------|--------------------------------------|
| Capture Drive Modes       | Single<br>yes                       | Contiunous<br>yes | Low vibration<br>yes | Exposure<br>bracketing<br>2-7 frames |
| Toggle Mirror-up          | yes                                 |                   |                      |                                      |
| Capture from liveview     | yes                                 |                   |                      |                                      |
| TTL Light metering        | Average, Spot and Auto              |                   |                      |                                      |
| HAP-1 Light Metering      | used with waist level finder (Spot) |                   |                      |                                      |
| Focus Confirmation        |                                     | Prism<br>/es      |                      | screen                               |
| Viewfinder black-out time | 150ms (FPS), 400ms (LS)             |                   |                      |                                      |
| AE Lock                   | yes                                 |                   |                      |                                      |
| Exposure compensation     | +/- 5 EV                            |                   |                      |                                      |



| HAP-1 1MP CMOS Sensor                            |  |
|--|--|
| HAP-1 Processor with Floating Point Architecture |  |
| HAP-1 Precision White light                      |  |
| yes  |  |
| yes  |  |
| Spot, Average, Hyperfocal                        |  |
| Matte (default), Split, Center Prism             |  |
|  |  |

|                                  | 90° Prism           | Waist level         |  |
|----------------------------------|---------------------|---------------------|--|
| Modular viewfinders              | Yes                 |                     |  |
| Frame Coverage                   | 97%                 | 97%                 |  |
| Exchangeable diopter             | 3 options           | 7 options           |  |
| Diopter range                    | Range from -5 to +3 | Range from -3 to +2 |  |
| Default diopter<br>magnification | -2.5 to +2.5        | 0                   |  |
| Collapsable diopter              | no                  | yes                 |  |
| Visible Exp. information         | yes                 | On top screen       |  |

| Dimensions              |  |
|-------------------------|--|
| $(W \times H \times D)$ |  |

Weight

| XF Camera System*<br>w/ 90° Prism viewfinder | 152 x 135 x 160 (mm)                           | 1390g |
|--|--|-------|
| XF Camera System*<br>w/ Waist level finder   | 152 x 173 x 160 (mm)                           | 1020g |
| XF Camera Body<br>w/o battery                | 152 x 108 x 85 (mm)                            | 790g  |
| IQ3 Digital back                             | 98,5 x 88,5 x 62,3 (mm)                        | 695g  |
| 90° Prism Viewfinder                         | 68 x 52 x 152 (mm)                             | 500g  |
| Waist level finder                           | 67 x 17 x 57mm (closed)<br>67 x 65 x 57 (open) | 130g  |

\* without lens

|   | XF 100MP<br>Camera System |
|---|---------------------------|
| Phase One XF Camera with Prism viewfinder | yes                       |
| IQ Digital Back                           | 100MP                     |
| Waist level viewfinder                    | optional                  |
| Schneider Kreuznach 80mm LS f/2.8         | yes                       |
| Capture One Pro 9                         | yes                       |
| Pelican Storm Carry On Case               | yes                       |
| F-stop Phase One flexible ICU             | yes                       |
| F-stop Phase One Laptop Sunshade          | yes                       |
| Charger for IQ3 and XF                    | yes                       |
| 3400 mAh Batteries                        | 4                         |
| 16 GB CF-Card and Reader                  | yes                       |
| Gray Cards & LCC calibraton kit           | yes                       |
| Sensor Cleaning Kit                       | yes                       |
| Firewire 800 and USB 3.0 cable            | yes                       |
| Focusing screen                           | yes                       |

## Lens Range Phase One

#### Focal Plane Lenses PHASE**ONE** PHASEONE PHASEONE PHASEONE PHASEONE PHASEONE 120mm MF f/4 Macro A Superb, extreme wide-A compact and lightweight Using low dispersion glass, A great all-purpose lens, For beauty, portrait and The 120mm AF Macro lens angle lens for full format wide-angle. Ideally suited this wide-angle lens offers exhibiting outstanding close-up macro work, this is staggeringly sharp and digital. Perfect for landscape. for street, landscape. minimal chromatic optical performance. All lens will deliver amazing ideal for beauty, portraits aberration and is ideal for architecture and creative scenes are captured with interior or architecture results. and close-up macro work high contrast conditions. amazing detail and control. photography. this lens delivers amazing accuracy. results in all fine detail

#### Leaf Shutter Lenses

Schneider



Provides complete coverage of full-frame medium format, and provides the fastest flash synchronization capabilities.



The professional choice

daylight shooting.



Minimal distortion semifor wide-angle, providing quality in both flash and wide-angle design provides a normal look, great for editorial portraits and lifestyle photography.



A preferred choice for location fashion photographers using fill flash and an essential lens for every photographers kit.



Schneider

A longer focal length with just

enough optical compression for full-length fashion, beauty and portraiture.



Ideal for close-up product shots, and equally ideal for close up beauty, action, nature and wildlife photography.



A standard portrait lens with applications in fashion, beauty, lifestyle and sports.



Ideal lens for getting close

to your subject while maintaining your distance, whether you're shooting beauty, sports, landscape or wildlife.



75-150mm AF f/4

makes it a preferred choice for location photographers, securing great image quality at all focal lengths.

Schneider

applications.



lens offers fast internal focusing for easy use with special effect filters and



PHASEONE

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vignettes.

PHASEONE



#### Speciality Lenses



The versatility of this lens



Perfect for studio work, product shots and for creating stunning images using an offset focus plane. 8° tilt, 12mm shift, rotating lens groups 360° on both axes.



The 2x teleconverter is especially well suited for landscape photography and a compact, flexible and affordable alternative to longer telephoto lenses.



#### 40-80mm LS f/4.0

Ultra sharp rendition on all focal lengths. The optical quality of this zoom lens is comparable with what you would expect from a genuine prime lens.



This lens provides flash sync up to 1/1600s and the freedom to compose your framing.

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# Stand Out XF 100MP



For more information, please visit www.phaseone.com

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