Phase One is known best for innovation. The art of perfecting the exceptional goes to the core of our philosophy. We’ve delved into digital photography from a different perspective and focused on something often taken for granted: Color. The significant role of color in photography is something no one can underestimate. Being able to capture what our eyes can see has been an ambition since the introduction of color photography. Color vitality and accuracy goes to the very heart of photographic expression.

The IQ3 100MP Trichromatic has achieved the next level of color capability by mimicking the color vision of the human eye, enabling the artist to express their vision more directly than ever before in 101-megapixel detail.
"If you are in love with colour photography, this is as good as it gets."

- Timo Lieber, Aerial Photographer
A new benchmark in digital color photography

Working closely with Sony, Phase One has introduced new technology to take digital color capabilities one step further. The IQ3 100MP Trichromatic Digital Back renders color in astonishing brilliance. It is capable of replicating, closer than ever, the color definition that the human eye sees. Using a new CMOS sensor and Bayer Filter color technology available only through Phase One, we have given the photographer 101-megapixels of creative possibility in never-before possible color definition.

“IT’S THE COLOUR IN THE SCENE THAT drawing me in. For me, photography is about sharing the emotion and experience of being in an amazing place at the ideal time with the viewer.”

– Peter Cox, Landscape Photographer
“Colour contributes a massive amount of emotional impact to my photography. It’s why as humans we react so emotionally to an amazing sunrise or sunset.”

– Todd Antony, Advertising Photographer
Focusing on flexibility

ISO 35 - Putting image quality first

“The IQ3 100MP Trichromatic has established the lowest and therefore cleanest base ISO of any medium format CMOS sensor. The crisp, clean, and noise-free render of base ISO 35 on the IQ3 100MP Trichromatic creates stunning results for your vision to be expressed as intended.

“It is exciting to share my artistic vision, with high fidelity colour as close as possible to the way my eye sees, capturing 101 megapixels of information, while bringing a sense of intimacy and realism that bridges the gap between an idea, and my final visual outcomes.”

- Tony Hewitt, Fine Art Photographer
As the developers of the Trichromatic technology, and the only camera manufacturer with full in-house control over all aspects of our camera system and software production; our expert support teams have intricate knowledge of all the bits and pieces, right down to the smallest detail. With complete and comprehensive product knowledge, we provide the fastest possible response to your needs, and promise the maximum in uptime for you, our customer.
**XF 100MP Trichromatic Camera System**

### Imaging Sensor

- **IQ3 100MP Trichromatic**
  - **Resolution**: 100 Megapixel
  - **Long exposure**: 60 minutes
  - **Dynamic range**: 15 f-stops
  - **Sensitivity (ISO)**: 35 - 12800
  - **Lens factor**: 1.0
  - **Sensor type**: CMOS
  - **Sensor size**: 53.4 x 40.1
  - **Active pixels**: 11608 x 8708
  - **Pixel size (micron)**: 4.6 x 4.6
  - **Output image dim. 360 DPI**: 98.3 x 73.2cm
  - **Output image dim. 600 DPI**: 49.1 x 36.9cm
  - **Mount options**: Phase One XF
  - **2.2” touch display**: Yes
  - **High bandwidth display**: Yes
  - **XF Powershare**: Yes
  - **Wi-Fi 802.11 n**: Yes

### Focus & Autofocus

- **HAP-2**
  - **Autofocus sensor**: HAP-2 2MP CMOS Sensor
  - **Autofocus processor**: HAP-2 Processor with Floating Point Architecture
  - **Autofocus assist light**: HAP Precision extra light
  - **Hyperfocal point focusing**: Yes
  - **Upgradeable autofocus configurations & patterns**: Yes
  - **Autofocus modes**: Spot, Average, Hyperfocal
  - **Interchangeable focusing screens**: Yes

### Controls & OS

- **XF Top screen**
  - **Tools**
    - Displays
      - Bullseye Level
      - Histogram
      - Focus Stack
      - Seismograph
      - Time-lapse
      - Vibration Analysis
      - Profoto Flash
      - Flash Analysis
      - HDR Sequence

- **Camera OS**
  - **User Interface**: OneTouch UI
  - **Screen layouts**: 3 standard layouts
  - **Custom Sets**: 3 configurations
  - **Save and Load**: Camera Custom Sets, Camera System Setup
  - **Custom settings**: 80+ settings
  - **User upgradable via Back**: Yes

### Size & Weight

- **Dimensions (W x H x D)**
  - **XF Camera System w/ 90° prism viewfinder**: 152 x 135 x 160 (mm) 1190g
  - **XF Camera System w/ waist level finder**: 152 x 173 x 160 (mm) 1020g
  - **XF Camera Body w/o battery**: 152 x 108 x 85 (mm) 790g
  - **IQ3 Digital Back**: 98.5 x 68.5 x 62.3 (mm) 606g
  - **90° prism viewfinder**: 68 x 52 x 152 (mm) 500g
  - **Waist level finder**: 67 x 17 x 57mm (closed)
  - **67 x 65 x 57 (open)** 130g

- **Weight**
  - **XF Camera System w/ 90° prism viewfinder**: 1190g
  - **XF Camera System w/ waist level finder**: 1020g
  - **XF Camera Body w/o battery**: 790g
  - **IQ3 Digital Back**: 606g
  - **90° prism viewfinder**: 500g
  - **Waist level finder**: 130g

### Capture & Light metering

- **XF Camera Features**
  - **Frames per second**: IQ3 Trichromatic 100MP up to 11 FPS
  - **Capture Drive Modes**: - Single - Interval - Bracketing - Vibration delay
  - **Toggle Mirror-up**: Yes
  - **Capture from Overview**: Yes
  - **TTL Light metering**: Average, Spot and Auto
  - **Harvest Light Metering**: Used with waist level finder
  - **Profoto Air TTL**: Up to 6 groups
  - **Flash Analysis Tool**: Milliseconds / T5 and T1
  - **Viewfinder black-cut time**: 150ms (FPP), 450ms (S)
  - **AE Lock**: Yes
  - **Exposure compensation**: +/- 5 EV

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For more information check the technical specification inlay.

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**What's in the box**

- **Phase One XF Camera with Prism viewfinder**
- **IQ Digital Back**
- **IQ3 100MP Trichromatic**
- **Blue Ring Lens**
- **Any Prime Lens**
- **Capture One Pro 10**
- **Pelican Storm Case**
- **Modular Phase One camera bag insert**
- **Laptop compartment with built in sunshade**
- **Charger for IQ3 and XF**
- **3400 mAh Batteries** 4
- **Card reader and CF card**
- **Gray Cards & LCC calibration kit**
- **Sensor Cleaning kit**
- **FW and USB cable**
- **Focusing screen**
The IQ3 100MP

Trichromatic

The art of expression  |  The science of color