


The IQ3 100MP



Trichromatic

The art of expression | The science of color



PHASEONE

what the world's best photography is made of



 IQ3 100MP Trichromatic Camera System

Capture how the eye sees

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.



© Timo Lieber

"If you are in love with colour photography, this is as good as it gets."

- Timo Lieber, Aerial Photographer



© Peter Cox

The science of color

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 draws 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



© Todd Antony

"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





Passion. Service. Support. Peace of mind.

Expert knowledge that's there for you

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.

5-year
System Warranty

5-year
Uptime Guarantee

360°
Service

Global
Partner Support

Imaging Sensor



IQ3 100MP Trichromatic

Resolution	101 Megapixel
Long exposure	60 minutes
16 bit Opticolor+	n/a
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. 300 DPI	98.3 x 73.2cm
Output image dim. 600 DPI	49.1 x 36.9cm
Mount options	Phase One XF
3.2" touch display	Yes
High bandwidth display	Yes
XF Powershare	Yes
Wi-Fi 802.11 n	Yes

For more information check the technical specification inlay

Size & Weight



	Dimensions (W x H x D)	Weight
XF Camera System* w/ 90° prism viewfinder	152 x 135 x 160 (mm)	1390g
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 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) 67 x 65 x 57 (open)	130g

* without lens

Capture & Light metering



XF Camera Features

Frames per second	IQ3 Trichromatic 100MP up to 1.1 FPS
Capture Drive Modes	- Single - Continuous - Bracketing - Vibration delay - Delayed - Bulb - Toggle
Toggle Mirror-up	Yes
Capture from liveview	Yes
TTL Light metering	Average, Spot and Auto
HAP-2 Light Metering	Used with waist level finder
Profoto Air TTL	Up to 6 groups
Flash Analysis Tool	Milliseconds / T5 and T1
Viewfinder black-out time	150ms (FPS), 400ms (LS)
AE Lock	Yes
Exposure compensation	+/- 5 EV

Focus & Autofocus

HONEYBEE
AUTOFOCUS PLATFORM



HAP-2

Autofocus sensor	HAP-2 1MP CMOS Sensor
Autofocus processor	HAP-2 Processor with Floating Point Architecture
Autofocus assist light	HAP Precision White 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 from CF	Camera Custom Sets Camera System Setup
Custom settings	80+ settings
User upgradeable via Back	Yes


What's in the box



XF IQ3
Camera System

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

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