

IQ Digital Back range

Technical Specifications

PHASEONE

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IQ3



IQ1



IQ2



Specifications

	IQ3 100MP	IQ3 80MP	IQ3 60MP	IQ3 50MP	IQ1 80MP	IQ1 60MP	IQ1 50MP	IQ1 40MP	IQ2 60MP Acromatic	
Resolution	101 Megapixel	80 Megapixel	60 Megapixel	51 Megapixel	80 Megapixel	60 Megapixel	51 Megapixel	40 Megapixel	60 Megapixel	
Long exposure	60 minutes	60 minutes	60 minutes	60 minutes	2 minutes	1 minutes	60 minutes	1 minutes	1 minutes	
16 bit Opticolor+	yes	yes	yes	no	yes	yes	no	yes	no	
Dynamic range	15 f-stops	13 f-stops	13 f-stops	14 f-stops	12.5 f-stops	12.5 f-stops	14 f-stops	12.5 f-stops	13 f-stops	
Sensitivity (ISO)	50 - 12800	50 - 800	50 - 800	100 - 6400	35 - 800	50 - 800	100 - 6400	50 - 800	200 - 3200	
Sensitivity (ISO) - Long Exp.	50 - 12800	200 - 3200	140 - 3200	100 - 6400	no	no	100 - 6400	no	no	
Sensor+ (ISO) - 1/4 res.	no	200 - 3200	200 - 3200	no	140 - 3200	200 - 3200	no	200 - 3200	no	
Lens factor	1	1	1	1,3	1	1	1,3	1,3	1	
Sensor type	CMOS	CCD	CCD	CMOS	CCD	CCD	CMOS	CCD	CCD	
Sensor Size	53.7 x 40.4	53.7 x 40.4	53.9 x 40.4	44 x 33	53.7 x 40.4	53.9 x 40.4	44 x 33	43.9 x 32.9	53.7 x 40.3	
Active pixels	11608 x 8708	10328 x 7760	8984 x 6732	8280 x 6208	10328 x 7760	8984 x 6732	8280 x 6208	7320 x 5484	8964 x 6716	
Pixel size (micron)	4.6 x 4.6	5.2 x 5.2	6.0 x 6.0	5.3 x 5.3	5.2 x 5.2	6.0 x 6.0	5.3 x 5.3	6.0 x 6.0	6.0 x 6.0	
Output image dim. 300 DPI	98.3 x 73.2 cm	87.4 x 65.6 cm	76.1 x 57 cm	70.1 x 52.6 cm	87.4 x 65.6 cm	76.1 x 57 cm	70.1 x 52.6 cm	61.9 x 46.4 cm	76.1 x 57 cm	
Output image dim. 600 DPI	49.1 x 36.9 cm	43.7 x 32.8 cm	38 x 28.5 cm	35.0 x 26.3 cm	43.7 x 32.8 cm	38 x 28.5 cm	35.0 x 26.3 cm	30.1 x 23.2 cm	38 x 28.5 cm	
Mount options*	XF, H	XF, H, V	XF	XF	P, H, V, C	P, H, V, C	P, H, V, C	P, H, V, C	P, H, V, C	
3.2" Touch Display	yes	yes	yes	yes	yes	yes	yes	yes	yes	
High Bandwidth Interface	yes	yes	yes	yes	no	no	no	no	no	
XF Powershare	yes	yes	yes	yes	no	no	no	no	no	
Wi-Fi 802.11 n	yes	yes	yes	yes	no	no	no	no	yes	
Captures per second	14-bit	16-bit								
Focal Plane (Full res.)	1,4	0,7	0,8	0,9	1,8	0,8	0,9	1,8	1,2	0,9
Focal Plane (Sensor+)	n/a		1,1	1,2	n/a	1,1	1,2	n/a	1,7	n/a
Leaf shutter (Full res.)	1.2	0,7	0,7	0,8	1,4	0,7	0,8	1,4	1	0,8
Leaf shutter (Sensor+)	n/a		1	1,4	n/a	1	1,4	n/a	1,4	n/a

Images

IQ3 100MP © Alexia Sinclair IQ3 80MP © David LaChapelle IQ3 60MP © Richard Thompson IQ3 50MP © Anja Poulsen

Mount options*

XF: XF, DF and DF+ H: Hasselblad H1 and H2 C: Contax 645AF
P: DF and DF+ V: Hasselblad V-series

Camera Controls & One Touch UI

FEATURES	XF IQ3 Camera System	XF IQ1 Camera System
OneTouch UI including functionality from prev. generation systems	Yes w/ high-bandwidth DB integration	Yes w/limited functionality
Screen layouts	Simple/Classic	Simple/Classic
Custom setups	3 configurations, 80+ settings	3 configurations, 80+ settings
Wireless remote control with Capture Pilot	yes	no
Exposure Calculator	yes	no
Temperature graph tool	yes	no
Exposure zone tool	yes	no
Clip warning (supplement to highlight warning)	yes	no
Auto ISO & ISO control	yes	no
Prepared for future feature upgrades	yes	no
Camera Menu	yes, advanced	yes, basic
Vibration data in image file	yes	yes
Wake-up XF from Back	yes	yes
Focus Mask	yes	yes
Virtual Horizon	yes	yes
Black & white	yes	yes
Composition Display	yes	yes
Live View for instant focus	yes	yes
Tap, Pan and Browse	yes	yes
Tethered Capture in Capture One PRO	yes	yes

Storage & Connectivity

Integrated Wi-Fi	802.11n (IQ3 only)
USB 3	Yes
Firewire 800	Yes
Flash Sync port	Yes, on Prism and Back
High capacity back interface	Yes
Storage Media	UDMA 7, CF-card slot with spring loaded cover
Secure Storage System	3S Technology
Tripod socket	1/4 inch & 3/8 inch
Storage Engine	1GB Image buffer

Operating Requirements

Temperature	-10° to 50° C 14° to 122° F
Humidity	0 to 80 % (non-condensing)

Battery

Battery	BP-911/914/915 3400 mAh
XF Powershare	IQ3 only
Support for USB 3 Charging hub (1.5 A)	IQ3 only

Flash

Flash trigger	Integrated Profoto wireless
Wireless trigger range	20m (outside)
Back flash sync	Yes
Flash sync speed focal plane shutters (max)	1/125s
Flash sync speed leaf shutters (max)	1/1600s

Warranty

	XF IQ3 Camera System	XF IQ1 Camera System
IQ3 digital back	5 Years	1 Year
XF camera body	5 Years	1 Year
Schneider Kreuznach lenses	5 Years	1 Year
Phase One Lenses	5 Years	1 Year
Viewfinders	5 Years	1 Year
Uptimate Guarantee incl. Loaners during repairs	5 Years	1 year
Access to world-wide service network	yes	yes
24/7 Knowledge Base & Online Support Forum	yes	yes

Released Oct. 21 2015

Feature Update #1

	XF IQ3 Camera System	XF IQ1 Camera System
Histogram on XF	Yes	Yes
Focus Confirmation with Waist Level Finder	Yes	Yes
Vibration Delay using Seismograph	Yes	Yes
Copyright Info in IIQ RAW files	Yes	Yes
Localized UI on IQ digital backs (FR, IT, DE, ES, CH, JP, SV, KO)	Yes	Yes