

IQ Digital Back range

Technical Specifications

PHASEONE

what the world's best photography is made of

IQ3



IQ1



IQ2



Specifications

	IQ3 80MP	IQ3 60MP	IQ3 50MP	IQ1 80MP	IQ1 60MP	IQ1 50MP	IQ1 40MP	IQ2 60MP Acromatic
Resolution	80 Megapixel	60 Megapixel	50 Megapixel	80 Megapixel	60 Megapixel	50 Megapixel	40 Megapixel	60 Megapixel
Long exposure	60 minutes	60 minutes	60 minutes	2 minutes	1 minutes	60 minutes	1 minutes	1 minutes
16 bit Opticolor+	yes	yes	no	yes	yes	no	yes	no
Dynamic range	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)	50-800	50-800	100-6400	35-800	50-800	100-6400	50-800	200 - 3200
Sensitivity (ISO) - Long Exp.	200-3200	140-3200	100-6400	no	no	100-6400	no	no
Sensor* (ISO) - 1/2 res.	200-3200	200-3200	no	140-3200	200-3200	no	200-3200	no
Lens factor	1	1	1,3	1	1	1,3	1,3	1
Sensor type	CCD	CCD	CMOS	CCD	CCD	CMOS	CCD	CCD
Sensor Size	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	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)	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	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	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/V	XF (IQ260 for H/V)	XF (IQ250 for H/V)	P/H/V	P/H/V	P/H/V	P/H/V	P/H/V
3.2" Touch Display	yes	yes	yes	yes	yes	yes	yes	yes
High Bandwidth port	yes	yes	yes	no	no	no	no	no
XF Powershare	yes	yes	yes	no	no	no	no	no
Wi-Fi 802.11 n	yes	yes	yes	no	no	no	no	yes
Captures per second								
Focal Plane (Full res.)	0,8	0,9	1,8	0,8	0,9	1,8	1,2	0,9
Focal Plane (Sensor+)	1,1	1,2	n/a	1,1	1,2	n/a	1,7	n/a
Leaf shutter (Full res.)	0,7	0,8	1,4	0,7	0,8	1,4	1	0,8
Leaf shutter (Sensor+)	1	1,4	n/a	1	1,4	n/a	1,4	n/a

Images

IQ3 80MP © David LaChapelle

IQ3 60MP © Richard Thompson

IQ3 50MP © Anja Poulsen

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Camera Controls & One Touch UI

NEW 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

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
Ultimate 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

Feature Update #1

Released Oct. 21 2015

	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