

XF Camera System

Feature Differentiation

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Sensor Choices

	XF IQ3 Camera System	XF IQ1 Camera System
CMOS Range	100MP 50MP	100MP 50MP
CCD Range	80MP	80MP
CCD Achromatic	IQ2 60MP	

Sensor Core Technology

I/Q L 16 Bit	IQ3 100MP	IQ1 100MP
Long Exposure	Yes	CMOS only
HDMI	IQ3 100MP	No
Electronic Shutter (ES)	IQ3 100MP	No

IQ Tools & Features

Capture from Live View	Yes	No
Exposure Calculator	Yes	No
XF Camera Controls from Home screen	Yes	Yes
XF Camera Controls from Tool view (inside play)	Yes	No
XF Camera Controls from Camera Menu	Yes	No
XF Camera Menu with settings for XF	Yes	No
Exposure Zone Tool	Yes	No
Clip Warning Tool	Yes	No
Auto ISO and ISO control from XF	Yes	No

Storage & Connectivity

	XF IQ3 Camera System	XF IQ1 Camera System
Integrated Wi-Fi	802.11n	No
USB 3	Yes	Yes
Firewire 800	Yes	Yes
Flash Sync port	Back & Prism	Back & Prism
High capacity back interface	Yes	No
Storage Media	UDMA 7, CF-card slot with spring loaded cover	
Secure Storage System	3S Technology	3S Technology
Tripod socket	1/4 inch & 3/8 inch	1/4 inch & 3/8 inch
Storage Engine	1GB Image buffer	1GB Image buffer

Power

Power Share with hot pluggable batteries	Yes	No
Full system power via XF Power Supply	Yes	No
Advanced Battery Status indicators	Yes	No
USB3 Charging from Hub(1500mA)	Yes	No

Flash

Flash trigger	Integrated Profoto Air 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
Flash Remote control	Profoto Air up to 6 groups

Warranty

	XF IQ3 Camera System	XF IQ1 Camera System
5 Year Warranty	Yes	No
5 Year Uptime Guarantee	Yes	No
Free lens choice upon purchase	Yes	No

Packaging

Pelican Sorm Case (Watercase with handle and wheels)	Yes	No
Modular F-stop ICU for camera system	Yes	No
Laptop compartment with Build in Sunshade (Tether station)	Yes	No
Card Reader and CF card	Yes	No
Lens Calibration plate	Yes	No
2 batteries	Yes	No
Tech camera sync cable	Yes	No

Operating Requirements

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

IQ Digital Back range

Technical Specifications

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IQ3



Specifications

	IQ3 100MP	IQ3 80MP	IQ3 50MP
Resolution	101 Megapixel	80 Megapixel	51 Megapixel
Long exposure	60 minutes	60 minutes	60 minutes
16 bit Opticolor+	yes	yes	n/a
Dynamic range	15 f-stops	13 f-stops	14 f-stops
Sensitivity (ISO)	50 - 12800	50 - 800	100 - 6400
Sensitivity (ISO) - Long Exp.	50 - 12800	200 - 3200	100 - 6400
Sensor+ (ISO) - 1/4 res.	n/a	200 - 3200	n/a
Lens factor	1	1	1,3
Sensor type	CMOS	CCD	CMOS
Sensor Size	53.7 x 40.4	53.7 x 40.4	44 x 33
Active pixels	11608 x 8708	10328 x 7760	8280 x 6208
Pixel size (micron)	4.6 x 4.6	5.2 x 5.2	5.3 x 5.3
Output image dim. 300 DPI	98.3 x 73.2 cm	87.4 x 65.6 cm	70.1 x 52.6 cm
Output image dim. 600 DPI	49.1 x 36.9 cm	43.7 x 32.8 cm	35.0 x 26.3 cm
Mount options*	XF, H	XF, H, V	XF
3.2" Touch Display	Yes	Yes	Yes
High Bandwidth Interface	Yes	Yes	Yes
XF Powershare	Yes	Yes	Yes
Wi-Fi 802.11 n	Yes	Yes	Yes
Captures per second	14-bit 1,4 16-bit 0,7	0,8	1,8
Focal Plane (Full res.)	1,4	0,8	1,8
Focal Plane (Sensor+)	n/a	1,1	n/a
Leaf shutter (Full res.)	1,2	0,7	1,4
Leaf shutter (Sensor+)	n/a	1	n/a

IQ1



	IQ1 100MP	IQ1 80MP	IQ1 50MP	IQ2 60MP Acromatic
Resolution	101 Megapixel	80 Megapixel	51 Megapixel	60 Megapixel
Long exposure	60 minutes	2 minutes	60 minutes	1 minutes
16 bit Opticolor+	yes	yes	n/a	n/a
Dynamic range	15 f-stops	12.5 f-stops	14 f-stops	13 f-stops
Sensitivity (ISO)	50 - 12800	35 - 800	100 - 6400	200 - 3200
Sensitivity (ISO) - Long Exp.	50 - 12800	n/a	100 - 6400	n/a
Sensor+ (ISO) - 1/4 res.	n/a	140 - 3200	n/a	n/a
Lens factor	1	1	1,3	1
Sensor type	CMOS	CCD	CMOS	CCD
Sensor Size	53.7 x 40.4	53.7 x 40.4	44 x 33	53.7 x 40.3
Active pixels	11608 x 8708	10328 x 7760	8280 x 6208	8964 x 6716
Pixel size (micron)	4.6 x 4.6	5.2 x 5.2	5.3 x 5.3	6.0 x 6.0
Output image dim. 300 DPI	98.3 x 73.2 cm	87.4 x 65.6 cm	70.1 x 52.6 cm	76.1 x 57 cm
Output image dim. 600 DPI	49.1 x 36.9 cm	43.7 x 32.8 cm	35.0 x 26.3 cm	38 x 28.5 cm
Mount options*	XF, H	P, H, V, C	P, H, V, C	P, H, V, C
3.2" Touch Display	Yes	Yes	Yes	Yes
High Bandwidth Interface	n/a	n/a	n/a	n/a
XF Powershare	n/a	n/a	n/a	n/a
Wi-Fi 802.11 n	n/a	n/a	n/a	Yes
Captures per second	14-bit 1,4 16-bit 0,7	0,8	1,8	0,9
Focal Plane (Full res.)	1,4	0,8	1,8	0,9
Focal Plane (Sensor+)	n/a	1,1	n/a	n/a
Leaf shutter (Full res.)	1,2	0,7	1,4	0,8
Leaf shutter (Sensor+)	n/a	1	n/a	n/a

Images
IQ3 100MP © Alexia Sinclair IQ3 80MP © David LaChapelle IQ3 60MP © Richard Thompson IQ3 50MP © Anja Poulsen IQ1 100MP © Vincent Lions

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