

# IQ Digital Back range

Technical Specifications

## IQ3



## IQ1



## IQ2



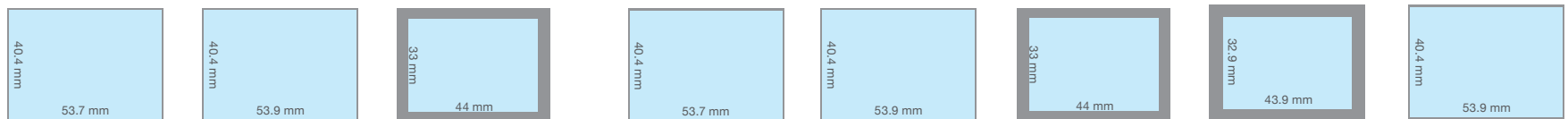
### Specifications

	IQ3 80MP	IQ3 60MP	IQ3 50MP	IQ1 80MP	IQ1 60MP	IQ1 50MP	IQ1 40MP	IQ2 60MP Achromatic
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	2 minutes	60 minutes	2 minutes	2 minutes
16 bit Opticolor+	yes	yes	no	yes	yes	no	yes	no
Dynamic range	13 f-stops	13 f-stops	14 f-stops	13 f-stops	13 f-stops	14 f-stops	13 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: XF Camera System P: DF & DF+ H: Hasselblad V: Hasselblad 500.	XF/H/V	XF (IQ260 available for H/V)	XF (IQ250 available 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

### Sensor Sizes



## Camera Controls & One Touch UI

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

## Storage & Connectivity

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

## Operating Requirements

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

## Battery

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

## Warranty

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

