

XF IQ4 Camera System

Technical specifications



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Imaging Sensors

Digital Back Options	IQ4 150MP, IQ4 150MP Achromatic, IQ4 100MP Trichromatic
Compatibility	IQ4 with XF Mount

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 XQD	Camera Custom Sets Camera System Setup
Custom settings	80+ settings
User upgradeable via Back	Yes

Focus & Autofocus

HAP-2

HONEYBEE
AUTOFOCUS PLATFORM



Autofocus Sensor	HAP-2 1MP CMOS Sensor
Autofocus Processor	HAP-2 Processor with Floating Point Architecture
Autofocus Assist light	HAP-2 Precision White light
Hyperfocal Point Focusing	Yes
Upgradeable Autofocus configurations & Patterns	Yes
Autofocus modes	Spot, Average, Hyperfocal
Interchangeable focusing screens	Yes

Imaging Software

Software



RAW converter	Capture One PRO 11.2.1 or newer
Tethered support	Yes
XF Camera Setup	80+ settings can be edited from Capture One
Workflow options	Sessions and Catalogues
Lens Corrections	Phase One Focal Plane lenses & Schneider Kreuznach Leaf Shutter lenses
Imaging Tools	25+
Local adjustments	Adjustment & Clone Layers
Batch output	Yes, using recipes and multiple destinations
Output formats	8 & 16 bit TIFF-RGB, TIFF-CMYK, JPEG incl. XR/2000/QuickProof tm, DNG, PNG, PSD

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IQ4 Specifications

	IQ4 150MP	IQ4 150MP Achromatic	IQ4 100MP Trichromatic
Resolution	151 Megapixel	151 Megapixel	101 Megapixel
Long exposure	60 minutes	60 minutes	60 minutes
16 bit Opticolor*	Yes	Yes	Yes
Dynamic range	TBA	TBA	15 f-stops
Sensitivity (ISO)	50 - 25600*	200 - 102400*	35 - 12800
Sensor type	CMOS	CMOS	CMOS
Sensor size	53,4 x 40	53,4 x 40	53,4 x 40
Active pixels	14204 x 10652	14204 x 10652	11608 x 8708
Pixel size (micron)	3.76 x 3.76	3.76 x 3.76	4.6 x 4.6
Output image dim. 300 DPI	120.26 x 90.19 cm	120.26 x 90.19 cm	98.3 x 73.2 cm
Output image dim. 600 DPI	60.13 x 45.09 cm	60.13 x 45.09 cm	49.1 x 36.9 cm
Mount option	XF	XF	XF
3.2" multi touch display	Yes	Yes	Yes
XF Powershare	Yes	Yes	Yes
Electronic Shutter (ES)	Yes	Yes	Yes
USB-C	Yes	Yes	Yes
Gigabit Ethernet	Yes	Yes	Yes
Wi-Fi 802.11	Yes	Yes	Yes
HDMI (mini)	Yes	Yes	Yes
File formats	IIQ L 16, IIQ L, IIQ S	IIQ L 16, IIQ L, IIQ S	IIQ L 16, IIQ L, IIQ S

Captures per second

	14-bit		16-bit		14-bit		16-bit	
Focal plane (full res.)	1.4	0.7	1.4	0.7	1.4	0.7	1.4	0.7
Leaf shutter (full res.)	1.2	0.7	1.2	0.7	1.2	0.7	1.2	0.7

* Preliminary specification

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Viewfinder



90° Prism

Waist level

	90° Prism	Waist level
Modular viewfinders on XF top screen	Yes	
Frame Coverage	97%	97%
Exchangeable diopter	3 options	5 options
Diopter range	Range from -5 to +3	Range from -2 to +2
Default diopter magnification	-2.5 to +2.5	0
Collapsible diopter	No	Yes
Visible Exp. information	Yes	On XF Top screen
Focus Confirmation	Yes	On XF Top screen
Light Measuring	Yes	Yes (HAP-1/HAP-2)

Lenses & Shutters

Lens Range

35mm Equivalent

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Focal Plane lenses	8 lenses	
Focal Length range	28mm - 150mm	17mm - 94mm

Schneider
KREUZNACH

Leaf Shutter lenses	12 lenses	
Focal Length Range	28mm - 240mm	17mm - 150mm

Legacy Lens support	60+ lenses	
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Shutter

Integrated Focal Plane shutter	Yes
Support for Leaf Shutters	Yes
Electronic Shutter (IQ4)	Yes
Shutter priority selection	LS or FPS
Longest shutter time	60 Minutes
Fastest shutter speed	1/4000
Flash sync speed focal plane shutters (max)	1/125
Flash sync speed leaf shutters (max)	1/1600



Capture & Light metering

Features



Frames per second	Variable following digital back			
Capture Drive Modes	- Single - Delayed	- Continuous - Bulb	- Bracketing - Toggle	- Vibration delay
Toggle Mirror-up	Yes			
Capture from liveview	Yes			
TTL Light metering	Average, spot and auto			
HAP-1/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			

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What's in the box



XF IQ4 Camera System

Phase One XF Camera with Prism viewfinder	Yes
IQ4	150MP, 100MP
Waist level viewfinder	Optional
Blue Ring Lens	Any Prime Lens
Capture One Pro 11	Yes
Pelican Storm Case	Yes
Removable Camera Inserts	Yes
Laptop compartment with built in sunshade	Yes
Charger for IQ4 and XF	Yes
3400 mAh Batteries	4
XQD and SD card + Card Reader	Yes
Gray Cards & LCC calibraton kit	Yes
Sensor Cleaning Kit	Yes
Ethernet and USB cables	Yes
Focusing screen	Yes

Size & Weight



Dimensions (W x H x D)

Weight

XF Camera System* w/ 90° Prism viewfinder	152 x 135 x 160 (mm)	TBA
XF Camera System* w/ Waist level finder	152 x 173 x 160 (mm)	TBA
XF Camera Body w/o battery	152 x 108 x 85 (mm)	790g
IQ4	98,5 x 88,5 x 62,3 (mm)	TBA
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

Battery

Battery	BP-911/914/915 3400 mAh
Powershare	Yes
Battery Charger	Integrated
Power over Ethernet	Yes, IQ4
Support for USB Charging	Yes, IQ4
High capacity back interface	Yes

Flash

Flash trigger	Integrated Profoto Air wireless
Wireless trigger range	20m (outside)
Back flash sync	Yes
Flash sync speed focal plane shutters (max)	1/125
Flash sync speed	1/1600
Flash remote contro	Profoto Air up to 6 groups