

XF Camera Systems

Technical Specifications



PHASE**ONE**

what the world's best photography is made of

Imaging Sensor



Imaging Sensors

Digital Back Options	IQ3 50-100MP & IQ1 50-100MP with XF mounts (See specification for Digital Backs)
Compatibility	IQ1 & IQ2 with 645DF+ mounts IQ3 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 CF	Camera Custom Sets Camera System Setup
Custom settings	80+ settings
User upgradeable via Back	Yes



Focus & Autofocus

HAP-1

Autofocus Sensor	HAP-1 1MP CMOS Sensor
Autofocus Processor	HAP-1 Processor with Floating Point Architecture
Autofocus Assist light	HAP-1 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 10 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



Viewfinder



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)

Lenses & Shutters

Lens Range

35mm Equivalent



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



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
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 - Continuous - Bracketing - Vibration delay - Delayed - Bulb - Toggle
Toggle Mirror-up	Yes
Capture from liveview	Yes
TTL Light metering	Average, spot and auto
HAP-1 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



What's in the box



XF IQ3 Camera System

XF IQ1 Camera System

	XF IQ3 Camera System	XF IQ1 Camera System
Phase One XF Camera with Prism viewfinder	Yes	Yes
IQ Digital Back	Choice of 100MP, 80MP, 50MP	Choice of 100MP, 80MP, 50MP
Waist level viewfinder	Optional	Optional
Blue Ring Lens	Any Prime Lens	80mm LS f/2.8
Capture One Pro 10	Yes	Yes
Pelican Storm Case	Yes	No
Modular F-stop ICU	Yes	No
Laptop compartment with built in sunshade	Yes	No
Charger for IQ3 and XF	Yes	Yes
3400 mAh Batteries	4	2
Card Reader and CF card	Yes	No
Gray Cards & LCC calibration kit	Yes	Yes
Sensor Cleaning Kit	Yes	Yes
FW and USB cable	Yes	Yes
Focusing screen	Yes	Yes

Size & Weight



Dimensions (W x H x D)

Weight

	Dimensions (W x H x D)	Weight
XF Camera System* w/ 90° Prism viewfinder	152 x 135 x 160 (mm)	1390g
XF Camera System* w/ Waist level finder	152 x 173 x 160 (mm)	1020g
XF Camera Body w/o battery	152 x 108 x 85 (mm)	790g
IQ3 Digital back	98,5 x 88,5 x 62,3 (mm)	695g
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	IQ3 only
Battery Charger	Integrated
Support for USB 3 Charging hub (1.5 A)	IQ3 only
High capacity back interface	IQ3 only

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