

XF Camera Systems

Technical Specifications



PHASE**ONE**

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Imaging Sensor

Digital Back Options	IQ3 50-80MP & IQ4 40-80MP with XF mounts (See specification for Digital Backs)
Backwards Compatibility	IQ1 & IQ2 with P/M mounts

Controls & OS

Rear button

Front Dial

Rear Dial

Slide Dial

Top rear key

Top front key

Shutter release button
(including self timer)

Front button

Secondary shutter release button
(including self timer)

Ergonomic grip with one
hand access to controls

Camera OS

User interface	OneTouch UI
Screen layouts	2 standard layouts
Custom modes	3 configurations
Custom settings	80+ settings
User upgradeable via Back	yes

HONEYBEE

AUTOFOCUS PLATFORM

Focus & Autofocus	HAP-1
Autofocus Sensor	HAP-1IMP 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	Matte (default), Split, Center prism

Imaging software

Software	
RAW converter	Capture One PRO 8.3 or newer
Tethered support	yes
Workflow options	Sessions and Catalogs
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, PDI XV2000/Outphoto bin, DNG, PNG, PSD



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Viewfinder

Modular viewfinders	Yes	Wait level
Frame Coverage	97%	97%
Exchangable diopter	3 options	7 options
Diopter range	Range from -5 to +3	Range from -3 to +2
Default diopter	-2.5 to +2.5	0
magnification		
Collapsible diopter	no	yes
Visible Exp. information	yes	no

Lenses & Shutters

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Minotar

Focal Plane lenses	8 lenses	35mm Equivalent
Focal Length range	28mm - 150mm	7mm - 95mm
Leaf shutter lenses	12 lenses	
Focal Length Range	28mm - 240mm	7mm - 140mmw
Legacy Lens support	60+ lenses	

Shutter

Integrated focal plane shutter	yes
Support for leaf shutters	yes
Shutter priority selection	LS or FPS
Longest shutter time (recommended)	60 Minutes
Fastest shutter speed	1/4000s
Flash sync speed focal plane shutters (max)	1/250s
Flash sync speed leaf shutters (max)	1/1600s

Capture & Light metering

Features	
Frames per second	Variable following digital back
Capture Drive Modes	SingleContinuousLow vibrationExposure yesyesyes2-5 frames
Toggle Mirror-up	yes
Capture from liveview	yes
TTL Light metering	Average, spot and auto
HAP-1 Light Metering	used with waist level finder
Viewfinder black-out time	150ms (FPS), 400ms (LS)
AE Lock	yes
Exposure compensation	+/- 5 EV



XF IQ3 Camera System

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What's in the box



	XF IQ3 Camera System	XF IQ1 Camera System
Phase One XF Camera with Prism viewfinder	yes	yes
IQ Digital Back	Choice of 50MP, 60MP, 80MP	Choice of 40MP, 50MP, 60MP, 80MP
Waist level viewfinder	optional	optional
Schneider Kreuznach 80mm LS f/2.8	yes	yes
Capture One Pro 8	yes	yes
Pelican Storm Carry On Case	yes	no
F-stop Phase One flexible ICU	yes	no
F-stop Phase One Laptop Sunshade	yes	no
Charger for IQ3 and XF	yes	yes
3400 mAh Batteries	4	2
16 GB CF-Card and Reader	yes	no
Gray Cards & LCC calibraton kit	yes	yes
Sensor Cleaning Kit	yes	yes
FW and USB cable	yes	yes
Focusing screen	yes	yes

Size & Weight



	Dimensions (WxHxD)	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 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