

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

HONEYBEE
AUTOFOCUS PLATFORM



HAP-2

| | |
|--|--|
| 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 | 15 F-stops* | 15 F-stops* | 15 F-stops |
| Sensitivity (ISO) | 50 - 25600 | 200 - 102400 | 35 - 12800 |
| Sensor type | CMOS BSI | CMOS BSI | 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 | Yes | Yes | Yes |
| File formats | IIQ L 16 Extended, IIQ L 16, IIQ L, IIQ S, IIQ S 14+ | IIQ L 16 Extended, IIQ L 16, IIQ L, IIQ S, IIQ S 14+ | IIQ L 16, IIQ L, IIQ S |
| Sensor + | Yes | Yes | No |

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 |

*IIQ L 16 Extended file format





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Viewfinder



90° Prism

Waist level

| | 90° Prism | Waist level |
|---|---------------------|---------------------|
| Modular layouts 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

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Lens Range

35mm Equivalent

| | 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 |



Shutter

| | |
|--|---------------|
| Integrated Focal Plane shutter | Yes |
| Support for Leaf Shutters | Yes |
| Electronic Shutter (IQ4) | Yes |
| Shutter priority selection | LS, FPS or ES |
| 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/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 Finder | 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) | 1890g |
| XF Camera System* w/ Waist level finder | 152 x 173 x 160 (mm) | 1520g |
| XF Camera Body w/o battery | 152 x 108 x 85 (mm) | 790g |
| IQ4 | 98,5 x 88,5 x 62,3 (mm) | 600g |
| 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, leaf shutter (max) | 1/1600 |
| Flash remote contro | Profoto Air up to 6 groups |

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