

XF Feature Update #3 SR4 Firmware Release Note

This release note describes the new features of Feature Update #3 for the XF Camera System, including Service Release 1 - 4 (SR1, SR2, SR3, SR4)

Downloading and installing this Service Release #3 SR4 (Camera package file CP3.09.3.fwp) will update your XF Camera System or Digital Back to the most recent version, including all features and corrections from previous service releases.

Release history:

Feature Update #3 (Camera package file name CP3.01.11.fwp)

SR1 (Camera package file name CP3.02.17.fwp) is a general stability update. This update also corrects an issue where a "Camera Error" message can display on some XF Camera Systems, due to a timing issue, after installation of Feature Update #3.

SR2 (Camera package file name CP3.03.5.fwp) corrects an issue where a "Battery Low" message can display on some XF Camera Systems after install of Feature Update #3.

SR3 (Camera package file name CP3.06.3.fwp) features the following improvements:

1. The XF Camera System now limits aperture adjustment during Electronic Shutter (ES) exposures.
2. Addresses an error resulting in incorrect exposures while using Electronic Shutter (ES) at shutter speeds faster than 1/320s in conjunction with the IIQ-L 16Bit File Format.
3. Improved stability when navigating in and out of Live View on the IQ Digital Backs.
4. IQ Digital Back display now maintains zoom level in Live View when returning from capture, or if user is stepping out, and then returning to Live View.
5. Corrects a conflict where previews on the IQ Digital Back screen display incorrectly when capturing tethered from a Capture One PRO or DB and entering Live View.
6. Improved response of Single Arrow Nudge Buttons in Camera Focus Tool, providing finer focus control when operating an Auto Focus lens.
7. Completed Russian Language Menu on all IQ Digital Backs.

SR4 (Camera package file name CP3.09.3.fwp) features the following improvements:

1. Corrects an issue which could lead to an internal error code #221 being displayed. (primarily seen in connection with Live View use).
2. Introduction of the first Final Release Firmware for the IQ3 100MP Achromatic.

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Installing XF Feature Update #3 SR4

To install Feature Update #3 SR4, simply download and copy the camera package file (CP3.09.3.fwp) to the root folder of a CF card.

1. Place the IQ Digital Back on the XF Camera Body.
2. Make sure your installed batteries are fully charged on both the XF Camera Body and IQ Digital Back.
3. Insert the CF card into the IQ Digital Back.
4. From the IQ Digital Back home screen select Menu > Firmware > Update Firmware.
5. The XF Camera System will now update with all relevant firmware updates. Updating the IQ, XF and Viewfinder.

Please do not interrupt the updating process. Should this happen by mistake, the update will fail and you will have to run the update again.

Feature Update #3 Features:

Feature Update #3 introduced advanced flash controls with in-camera Profoto AirTTL, Profoto Air remote and a visual Flash Analysis tool.

Feature Update #3, in addition, introduced the groundbreaking new Electronic Shutter (ES) technology to the IQ3 100MP Digital Back, providing the ability to capture images using only the IQ3 100MP sensor.

Furthermore, Feature Update #3 introduced several workflow tools and functionality improvements, greatly enhancing the ability to customize the camera system, improving the productivity and professional delivery of the XF Camera System.

Feature Update #3 camera package contents:

- New and advanced flash control
- Profoto AirTTL
- Profoto Air remote control built into the XF Camera System
- Rear flash sync option
- Visual Flash Analysis data
- Electronic Shutter (ES) for the IQ3 100MP
 - A unique new shutter technology, ideal for landscape photography using technical cameras, and studio or copy stand applications using continuous light sources
- Save and Load System Settings
- Save and Load XF Camera System Custom Sets from CF
- Custom Set renaming
- Save and Load XF Camera System Settings - as a backup
- Camera Package Feature Update
- New single Camera Package file (CP)
 - One Zip File includes the new firmware for all IQ1, IQ2, IQ3 Digital Backs and the XF Camera Body.
 - Place on CF card and update the full camera system - Easy

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- XF Icon Controls
- Long press the icons in the lower menu bar of the XF Camera Body Top Screen, and select which tools are available in the control bar
- Selective Restore to Default function
 - Choose to retain or reset customized splash screen, background image or custom white balance from the restore menu
- New Drive Modes
 - Bulb and Time (Toggle) mode are now available

Please check www.phaseone.com to learn more about the XF Feature Update #3.

XF Feature Update #3 FAQ

Questions and answers on installation of XF Feature Update #3

Can I update any XF Camera Body or IQ Digital Back with the Feature Update #3 camera package?

- Yes - When the firmware update process is started, it runs an assessment of what firmware files are needed – after this assessment, the firmware update is started and will update all units with relevant corresponding firmware.

Can I download Feature Update #3 and update a stand-alone IQ1, IQ2 or IQ3 Digital Back, or an IQ Digital Back that is used on a technical camera or equipped with another digital back mount?

- Yes, if you disconnect the digital back from the XF Camera Body, the camera package will install on the Digital Back only. If, at a later time, you connect the back to an XF Camera Body you can just run the update process again in order to install the same firmware on the XF Camera Body.
- Please note that if the firmware on the IQ Digital Back is updated alone, some features on the XF camera body might not function correctly and it will be necessary to repeat the firmware update process to enable all features.

Questions and answers on Profoto Air and Profoto AirTTL

Which flash systems are supported by the Profoto AirTTL and Profoto Air on the XF Camera System?

- All Profoto AirTTL and/or Profoto Air flash systems will function with the XF Camera System.

How many groups can be controlled from the Profoto Air remote in the XF Camera System?

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- The initial standard view of the tool will show three groups, however, up to six groups can be controlled through the tool (A through F). This can be adjusted using the advanced setting icon within the tool.

Questions and answers on the Electronic Shutter (ES)

Is the Electronic Shutter (ES) available on all IQ Digital Backs?

- No - The Electronic Shutter (ES) is available only on the IQ3 100MP Digital Back - The feature utilizes a sensor feature which is not available on any other digital back.

What are the limitations of Electronic Shutter (ES)? Why is it recommend to only use it on still subjects using continuous light?

- Electronic Shutter (ES) is what is also referred to as a “rolling shutter”. This is an electronic shutter technology that runs directly in the sensor, very similar in function to a focal plane shutter. Although the shutter features shutter speeds as fast as 1/4000th of a second, it has a much slower transition over the full frame sensor, and as such the entire capture can take over one second to complete. It is because of this function that the Electronic Shutter flash synchronization support is limited to 1.6 seconds using 16-bit IIQL and 1.3 seconds using 14-bit IIQs.
- The Electronic Shutter (ES) can be used for landscape applications where there are small local movements. An example of acceptable movements include leaves on trees, waves or clouds. Local movements that are relatively small or close together are captured instantly when the shutter is active. Larger moving subjects however, like a moving car or running subject, will be distorted in the final capture, as their displaced movement between the top and bottom of the sensor is significant enough to register.
- The Electronic Shutter is designed to be used on a tripod. If used in handheld operation, it may produce distortions in the images due to the rolling shutter technology.

The XF camera manual and technical specifications are available from www.phaseone.com

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