Canon

Custom Functions IV: Operation / Others *EOS-1D Mark III*

CF IV–1: Back-button AF control

1-0 — Shutter button and AF-On button both activate AF & metering
1-1 — AF & metering at shutter button; AF-On button now locks focus
1-2 — Metering only at shutter button (no AE Lock); AF-On button starts AF
1-3 — Exposure locked at first press of shutter button; AF at rear AF-On button
1-4 — AF & metering at shutter button; rear AF-On button disabled

The new AF-On button at the rear of the camera gives EOS-1D Mark III users a full-time method to activate AF. This Custom Function allows changes in its operation, and also allows the user to remove AF operation from the shutter button if they desire. C.Fn IV-1-3 is the equivalent of C.Fn 4-1 on previous EOS cameras ("back-button AF" with AE Lock at shutter button), and C.Fn IV-1-2 is the same as C.Fn 4-3 on previous cameras ("back-button AF with no AE lock). Note that with C.Fn IV-2 (see below), you can use the AE Lock button on the EOS-1D Mark III instead of the AF-On button.

CF IV–2: Reverse roles of AF-On button and AE Lock (*) button

2-0 — AF-On button used for "back-button AF"
2-1 — Use AE Lock button (*) instead of AF-On button

The new AF-On button is located farther from the user's thumb than the AE Lock button, and some users who frequently use "back-button AF" may prefer the shorter reach to the AE Lock button (with asterisk icon). This Custom Function lets the user switch the roles of these two rear buttons.

CF IV–3: Quick Control Dial function when meter is active

3-0 — Exposure Compensation (in auto modes); Aperture Control (Manual exposure)
3-1 — Instant access to AF point selection
3-2 — Instant access to ISO speed selection

The rear Quick Control Dial is an EOS hallmark, and has been prized by EOS users since the first EOS-1 of 1989 for its immediate access to exposure control. This C.Fn allows users to change its role to allow quick changes of AF points (IV-3-1) or ISO speeds (IV-3-2). If either of these options is set, note that pressing the +/- button on top of the camera, and then turning the top Main Dial, now performs exposure functions previously done with the rear Quick Control Dial. Note: if C.Fn IV-3-1 is set, try combining it with C.Fn III-9-1 (or 2) for even quicker access to nine AF points, or with C.Fn III-10-2 if you want to be able to switch to Automatic AF point selection from time to time.

CF IV–4: Use SET button as short-cut to user-defined function

4-0 — SET button has no effect when shooting
4-1 — Immediate access to White Balance
4-2 — Instant access to Image Size and Memory Card selection
4-3 — Short-cut to ISO speed function
4-4 — Short-cut to Picture Style
4-5 — Instant access to Card selection and Folder selection
4-6 — SET button activates Menu
4-7 — SET button activates Image Playback

By default, the SET button has no function during ordinary shooting. CF IV-4 allows you to customize the SET button to have immediate access to any one of the above functions. Note that if Live View has been Enabled with the Live View menu setting, the SET button now calls up Live View, and this Custom Function is ignored.

CF IV–5: Reverse Main Dial and Quick Control Dial In Manual exposure mode

5-0 — Normal operation: Main Dial for shutter speed, rear Quick Control Dial for Aperture

5-1 — Reverse the dials: Main Dial for Apertures, Quick Control Dial for shutter speed

This function only takes effect in the Manual exposure mode — it is ignored in any Automatic Exposure mode. For users who frequently use Manual exposure and find themselves often changing either speeds or apertures, it may be preferable to put their "variable" of choice at the Quick Control Dial for immediate access. Also: if Auto Exposure Bracketing is used in Manual exposure mode, this function determines whether speeds (C.Fn IV-5-0) or apertures (IV-5-1) are varied to change exposure.

CF IV–6: Direction of Main Dial and Quick Control Dial

6-0 — Normal direction

6-1 — Reverse direction of both dials in Manual mode; Main Dial in Av/Tv modes

Some users may find it more intuitive to change the direction of dial rotation in Manual mode, so that turning the rear Quick Control Dial increases exposure (opens up the lens aperture) with a clockwise turn, the same way it does with Exposure Compensation using the Quick Control Dial in an Auto Exposure mode. This C.Fn reverses both dials' direction in Manual exposure mode, but note that in Auto modes (P, Tv, Av), Exposure Compensation with the rear Quick Control Dial remains unchanged even if C.Fn IV-6-1 is applied.

CF IV–7: Setting Aperture if no lens mounted on camera

7-0 — Not possible (lens must be mounted to change apertures)

7-1 — Possible

This function is especially useful to studio shooters or sports photographers who may be working with assistants, and frequently changing from one camera body to another. It allows the assistant or photographer to dial-in a lens aperture, even if no lens is mounted on the camera. Normal operation is for the body to display a "00" aperture read-out at all times when a lens is removed (that is, if C.Fn IV-7-0 is active).

CF IV–8: Function Button read-out: small rear LCD or on large LCD monitor

8-0 — White Balance, Memory Card select, and Image Quality display on small rear LCD

8-1 — LCD monitor displays WB, Memory Card select, and Image Quality

The new FUNC (Function) button on the rear of the EOS-1D Mark III is used to make changes to White Balance, choose a Memory Card recording option, and select Image Quality settings (RAW and different JPEG sizes). Normally, this shows on the small rear LCD panel – each push on the Function button toggles between these three items. C.Fn IV-8-1 changes the display to the large color LCD monitor instead of the small rear LCD panel, making it much easier to see the different choices available.

CF IV–9: Sound Recording / Protect Image button function

9-0 — Press button quickly during playback to protect image from erasure; hold down for two seconds to allow sound memo recording

9-1 — Press the button quickly to engage sound recording — no need to hold down

The rear Protect Image / Sound Memo Recording button normally has both functions during image playback. Recording a sound memo requires the user to hold the button down for two seconds to start recording, and to continue to hold it down while any sound memos are recorded. For users who frequently use the Sound Memo feature, C.Fn IV-9-1 makes access to sound recording easier — you only need to press the button once to start recording, and press it again to stop. To protect an image from accidental erasure with this C.Fn active, use the "Protect Images" menu setting in the first Playback Menu. Note that all this applies only during image playback; during shooting, this same button gives access to the camera's Picture Style menu.

CF IV–10: Lock Controls using camera's On-Off switch

10-0 — Quick Control Dial only is locked at first "ON" setting

10-1 — Quick Control Dial, Main Dial, and rear Multi-controller locked at first "ON" setting

The main On-Off switch for the camera has two "ON" positions. The first one turns the camera on, but intentionally disables the rear Quick Control Dial to prevent accidental changes to exposure. (Note: even with the Quick Control Dial "off", it can still be used for Menu settings and for playing back images). C.Fn IV-10-1 gives an easy in-camera method to also lock the top Main Dial and the Multi-controller against accidental changes. It's an excellent alternative to using gaffer's tape for studio shooters, sports shooters using arena strobe lights, and in any situation where you don't want settings to accidentally change.

CF IV–11: Match exposure metering to Focusing screen in use

11-0 — Set metering for standard Ec-C IV focus screen

11-1 — Change metering for Ec-A, B, C, C II, C III, D, H,I, or L screens

11-2 — Change metering for Ec-S

11-1 — Change metering for Ec-N, or Ec-R focus screens

This Custom Function tailors the in-camera exposure metering to the type of focus screen you have installed. It must be set by the user to match the screen that's in the camera, and if a different screen is installed, the user must change this C.Fn setting — note that the camera cannot detect the focus screen and automatically make this adjustment on its own. If Custom Functions are cleared, this function is not; the only way it can be changed is for the user to actively call it up and change it him- or herself.

CF IV–12: Change length of different metering timers

Disable — Default settings are used

Enable — User-registered changes to meter timers are used

Register — User can change "camera on" time for any of the three different timers

By default, EOS-1D series cameras have three separate meter timings:

***(1) 6-second timer** — if shutter button is pressed half-way but no picture is taken, meter turns off six seconds after finger is removed from shutter button.*

***(2) 2-second timer** — if a picture is taken, and finger pulled off shutter button, meter turns off two seconds after finger is lifted.*

***(3) 16-second timer** — if Flash Exposure Lock or Multi-Spot metering is activated, and finger not kept on shutter button, meter stays active for 16 seconds. With C.Fn IV-12, any of these three separate timings can be changed by the user from 0 seconds (meter turns off immediately) to 60 full minutes (camera stays fully "awake" for one hour). Note that for longer meter-on settings, there will be an increase in battery drain.*

CF IV–13: Reduce shutter release "lag time"

13-0 — Normal — approx. 55ms operation, from wide-open aperture to stopped-down 3 stops

13-1 — Reduced lag time — as low as 40ms at maximum lens aperture

Normally, the EOS-1D Mark III provides a consistent 55ms time lag from the instant the shutter button is fully depressed until the shutter begins to open. This remains constant even as the lens aperture is closed down. With C.Fn IV-13-1, the added "time cushion" that provides this consistency is removed — at wide-open apertures, even quicker response can be obtained at the shutter button. Critical shooters may want to try this for added timing precision in sports or other types of shooting. However, as the aperture is stopped-down, be aware that with IV-13-1, there will be a progressive increase in "lag time".

CF IV–14: Add aspect ratio information

14-0 — No Aspect Ratio information added
14-1 — Aspect Ratio 6:6
14-2 — Aspect Ratio 3:4
14-3 — Aspect Ratio 4:5
14-4 — Aspect Ratio 6:7
14-5 — Aspect Ratio 10:12
14-6 — Aspect Ratio 5:7

This Custom Function "tags" the file with added information, which Canon's Digital Photo Professional software (v. 3.0 and higher) can use to automatically crop images as they're transferred to programs like Photoshop. If C.Fn IV-14 is combined with the Live View function, crop lines appear on the Live View screen. Note that this can definitely still be used for ordinary shooting with the eye-level viewfinder, but there are no crop marks in the viewfinder. Also: the actual image is always recorded as a full, uncropped image file — the "tags" are used by DPP for automatic cropping, but they can be disabled within the software, and changed to a different aspect ratio, or discarded completely. You never lose any pixel data on the original file, regardless of how this Custom Function is set.

CF IV–15: Add data for Canon's Original Data Security Kit OSK-E3

15-0 — No data added (images can't be verified later)
15-1 — "Decision Data" added to each image file

Canon's new optional accessory Original Data Security Kit OSK-E3 is able to verify after an image is taken and reviewed in a computer that it's an original, unaltered file — and also, that any shooting data (including GPS data) is also unedited and original. To do this, however, each file needs to have "Decision Data" added at the time the picture is taken. Any users who contemplate possibly using the OSK-E3, even at some point in the future, should activate this Custom Function before taking pictures that may require verification. The additional file size is small, and there's virtually no effect on "burst rate" and none on shooting speed.

CF IV–16: Live view exposure simulation

16-0 — None: LCD monitor adjusts its own brightness, regardless of exposure settings
16-1 — Live View monitor simulates actual exposure, based on camera settings

Normally, the Live View function allows the LCD monitor to display an accurate, useable view of a subject, even in dim lighting conditions and regardless of how the actual finished exposure may turn out. Activating C.Fn IV-16-1 does two things: it changes the LCD's behavior to mimic the actual appearance of a final exposure, taking into account the ISO, aperture and shutter speed in use, and if the INFO button is pressed twice, you can get a live Histogram view which updates as the scene changes — before any images are taken! Studio strobe shooters should probably not use this settings, since the Live View exposure simulation can only take into account ambient light, and a very dark view will result indoors if low ISOs and small apertures (appropriate for strobes) are used.