

EOS
DIGITAL

Canon
Delighting You Always

Great expectations
begin here



EOS 50D
DIGITAL

DiG!C
4

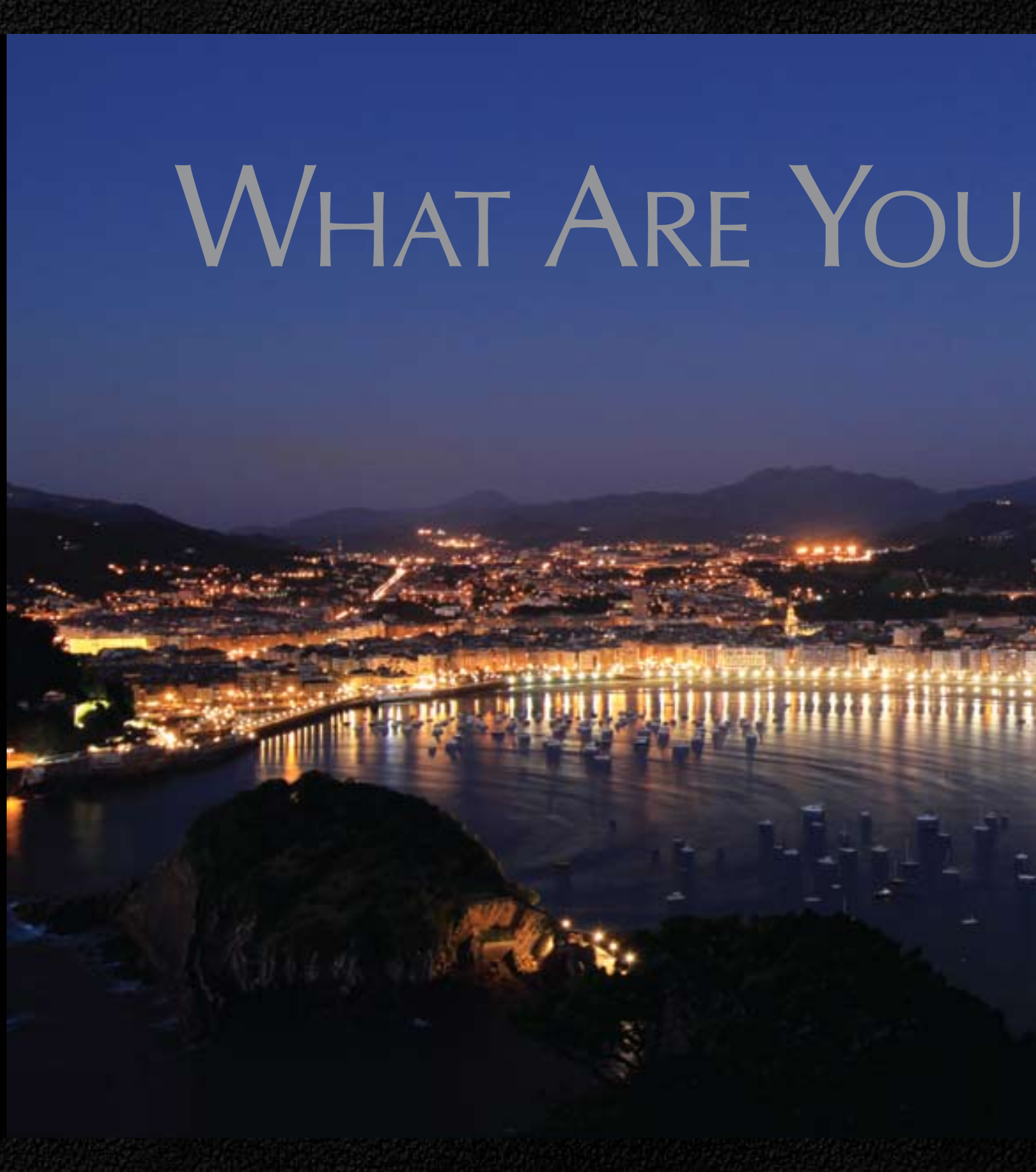
WHAT ARE YOU

You wanted a camera so powerful that it produces excellent quality images at a class-leading resolution. You wanted a camera so fast that it fires off continuous shots at amazing speeds. You wanted a camera so advanced yet user-friendly, that it accomplishes complicated tasks at the touch of the button.

You wanted the Canon EOS 50D.
And we duly delivered.

Always at the forefront of imaging technology, the EOS 50D is truly a camera to behold. Featuring a groundbreaking 15.1-megapixel CMOS sensor and the latest DIGIC 4 image processor, it captures everything from the most intricate detail to the most vibrant colours at an incredible resolution.

Add to that cutting-edge functions like Live View Shooting, Face Detection technology, the EOS Integrated Cleaning System, as well as various image enhancing features, and you have a complete and extremely versatile DSLR camera that will exceed all your expectations.



R EXPECTATIONS?



03

We've given you the EOS 50D. Now we expect great things from you.

WHERE AMAZING IMAGES COME TO LIFE

15.1-Megapixel Brilliance with
the Power of DIGIC 4.

Canon's EOS DIGITAL DSLRs have long been admired for their superior image quality. This is no different with the EOS 50D. A newly designed sensor and image processor propels this camera to the top of its class, carrying on the proud tradition set by its predecessors.



Cutting-Edge
15.1-Megapixel
CMOS Sensor

15.1 MEGA
PIXELS
CMOS

The EOS 50D's powerful CMOS sensor has an impressive effective resolution of 15.1 million pixels - the highest in its class. Measuring 22.3 mm x 14.9 mm, this APS-C size sensor (1.6x lens crop factor) captures everything from the finest colour gradations to the tiniest image detail. Working in tandem with the DIGIC 4 image processor, the CMOS sensor delivers superior performance in every imaging aspect from low-light shooting to high-speed continuous shooting and beyond.



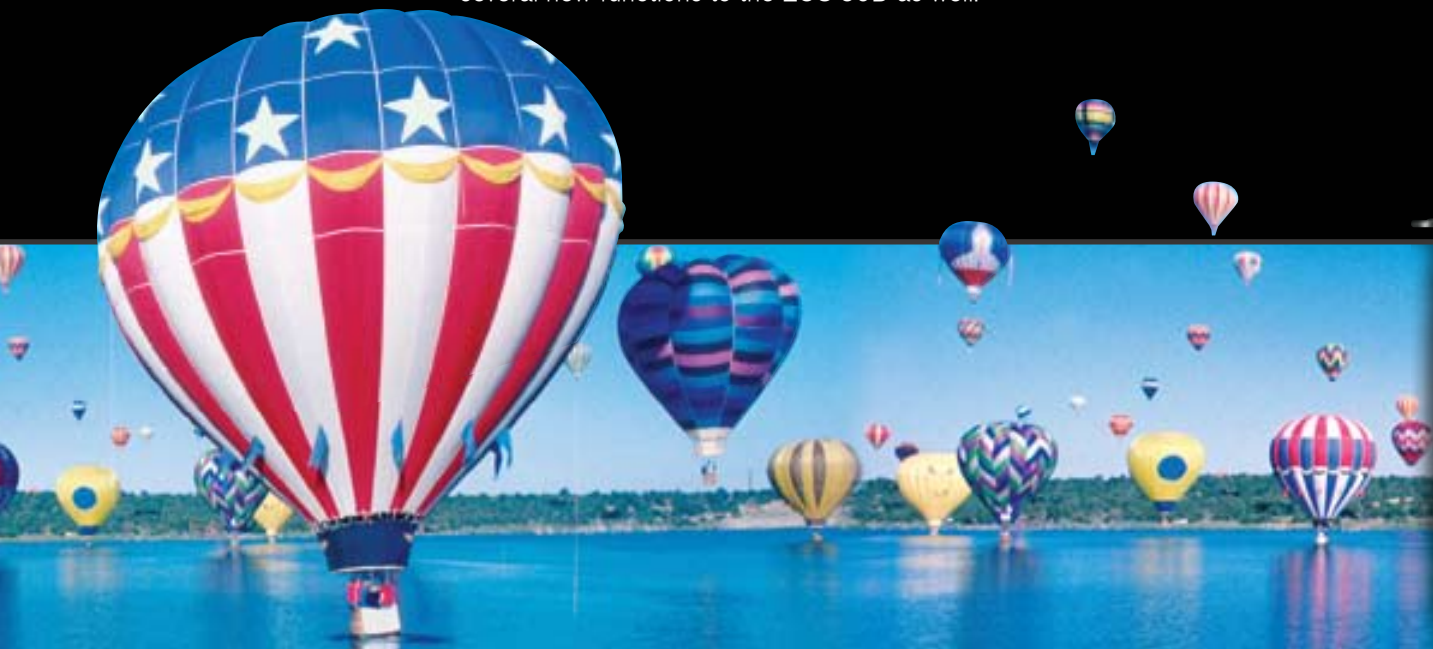
Greater Colour Range with 14-Bit Processing

To achieve finer colour gradation, the EOS 50D uses a 14-bit processor to digitise image data. The difference can be seen when shooting in any of the RAW format types as colour reproduction is accurate and tonal expression is smoother too. Converting the images to JPEG using Canon's Digital Photo Professional software will also preserve the superb colours captured by the camera.

DIGIC 4

DIGIC 4 More Power. More Speed. More Features.

The EOS 50D is the first EOS DIGITAL SLR to feature the exciting and revolutionary DIGIC 4 image processor. While still retaining the best aspects of DIGIC III such as high-speed rendering of fine detail and natural colour reproduction, DIGIC 4 provides even faster signal processing and adds on several new functions to the EOS 50D as well.



Improved Processing Speed

DIGIC 4 is fast. No doubt about it. Only the best processor in the business is capable of shooting 15.1-megapixels at 6.3 frames per second. All this while still delivering impeccable image quality that's virtually noise-free.

Superb Low-Light Performance

Low-light shooting conditions frequently expose the shortcomings of cameras. But such conditions only serve to highlight the strength of the EOS 50D and DIGIC 4. With ISO speeds up to 3200 (expandable to ISO 6400 and 12800) and excellent noise reduction throughout the entire ISO range, DIGIC 4 ensures you get superb imaging performance even at night.

Innovative New Functions

The advanced technology found in DIGIC 4 allows the EOS 50D to incorporate new features such as an enhanced Auto Lighting Optimizer, Live Face Detection AF mode, lens peripheral illumination correction, and a HDMI output capability.

ABSOLUTE IMAGE CONTROL

Professional Settings at Your Fingertips.

Know what you want to achieve, and you're halfway to a great shot. With a wide variety of settings at your disposal, the EOS 50D makes it easy for you to get the shots you desire.

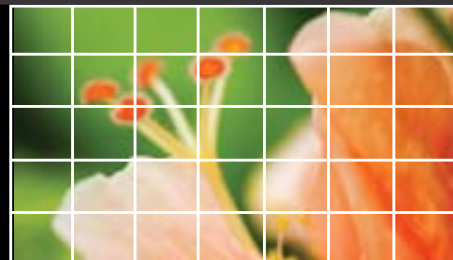


Metering Modes – With a 35-zone metering sensor and four metering modes to choose from, the EOS 50D gives you total control over image exposure during your shoots.



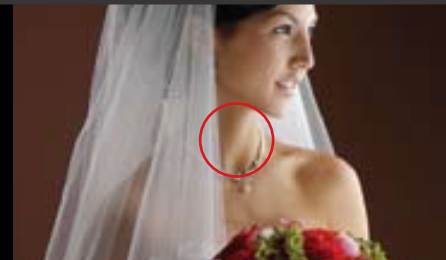
Spot Metering

For situations where metering of a specific aspect of the composition is required. Approximately 3.8 percent of the image is metered, as indicated by the circle in the centre of the viewfinder.



Evaluative Metering

Analyses light in 35 zones within the composition with emphasis on the AF point selected. This prioritises the subject for metering to compensate for any drastic shifts in lighting.



Partial Metering

Uses approximately 9 percent of the image for light metering, as indicated by a circle in the centre of the viewfinder.



Centre-Weighted Average Metering

Analyses light in the entire image composition, with emphasis on the centre of the image. A favourite of professional photographers.

Shooting Modes – The EOS 50D provides you with several shooting modes that give you the ability to create that perfect image.

Program AE

Adjust the aperture size and shutter speed combination while maintaining a constant exposure value.

Shutter-Priority AE

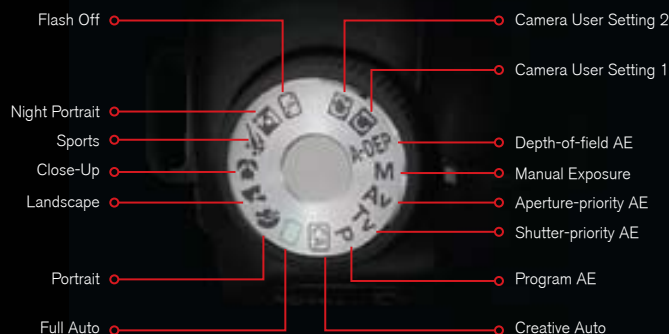
Choose the shutter speed and let the camera adjust the aperture size accordingly.

Aperture-Priority AE

Choose the aperture size while the camera adjusts shutter speed value accordingly.

Depth-of-Field AE

Use this mode to create a custom "zone of sharpness".



Full Auto

Let the camera automatically select the appropriate settings for the best exposure.

Programmed Image Control Modes

Portrait, Landscape, Close-up, Sports, Night Portrait, Flash OFF.

Manual Exposure (including bulb)

Set shutter speed and aperture size to your desired values.

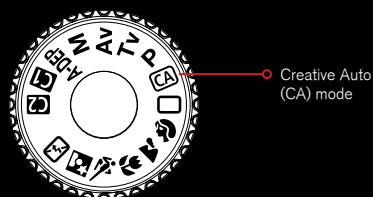
Camera User Settings

Two Camera User Setting slots let you register your own custom settings that be can instantly recalled.

Creative Auto

The EOS 50D introduces a new Creative Auto (CA) mode specially for beginners who want to go beyond Full Auto mode but aren't sure how to do so. While its basic settings are based on Full Auto, CA mode gives you the added option of being able to change other frequently used settings on the fly.

When the mode dial is set to CA, the setting screen will appear on the LCD with a list of options that can be adjusted. Simply select the one you wish to change with the multi-controller, and rotate the Main Dial or Quick Control Dial till you get the desired setting.



White Balance

The EOS 50D is loaded with several white balance options that let you capture the mood of the environment in your images.

White Balance Modes

- AWB Auto (AWB)
- Daylight
- Shade
- Cloudy
- Tungsten Light
- White Fluorescent Light
- Flash
- Custom WB
- Colour Temperature

INNOVATIVE SHOOTING FEATURES

Enhance Your Images with Incredible Ease.

With the inclusion of some ingenious features, the EOS 50D can help you overcome difficult shooting conditions so you'll get that picture perfect shot you want.



Low-Light Shooting (ISO 12800) with Noise Reduction



WITH ISO EXTENSION
H1:6400, H2:12800

If you frequently shoot in low-light conditions, you'll be glad to know that the EOS 50D features improved ISO performance. ISO speed range is ISO 100-3200 in 1/3-stop increments, and can be expanded to ISO 6400 or ISO 12800.

The combination of DIGIC 4 and the CMOS sensor's built-in noise reduction function effectively suppresses noise even at the highest ISO speeds without any visible loss to image quality. Choose from Standard, Low, Strong and Disable to better suit the amount of noise. In [Standard/Low/Disable] setting, the maximum burst rate during continuous shooting is also maintained.



Before

After

Highlight Tone Priority

By expanding the gradation range within highlighted areas, the EOS 50D prevents images shot in very bright light from appearing washed out. As a result, colour rendition is more lifelike and the overall image looks more pleasing to the eye. An indicator is also displayed in the viewfinder and LCD display when Highlight Tone Priority is activated.



Before

After

Auto Lighting Optimizer



When shooting in less than ideal lighting conditions, the Auto Lighting Optimizer can automatically adjust the brightness and contrast levels of your images to give you better results. This intelligent feature can correct underexposed images, shot in AE mode or with a flash, as well as images exhibiting low contrast due to mist or haze. You can choose from a Standard, Low or Strong setting for greater control.

Face detection capability also detects backlit faces and automatically adjusts to obtain optimum exposure - ideal for obtaining crisp, nicely exposed portraits and group photos when shooting into the sun. Thanks to DIGIC 4's low-noise image processing and refined corrective algorithm, the Auto Lighting Optimizer is able to intelligently deliver the best imaging results quickly and easily.



Before

After

Lens Peripheral Illumination Correction

A first for EOS DIGITAL SLRs, the EOS 50D features a built-in lens peripheral illumination correction function that ensures uniform exposure across the entire image. Because each lens has different correction requirements, this data must be registered into the camera before it can be performed.

If correction data for the lens currently used has already been registered in the camera, it can be set to automatically carry out image correction. The EOS 50D comes with correction data for 26 lenses and can store a total of 40 different lens data.



3 Versatile RAW Formats

Apart from the six different JPEG types, the EOS 50D provides three RAW types for you to choose from - RAW, sRAW1, and sRAW2. The sRAW1 and sRAW2 types are useful for photographers who want the versatility of RAW but do not need their images to be at the highest resolution. They can be selected regardless of the shooting mode the camera is in. Any combination of RAW and JPEG types can also be selected for simultaneous RAW+JPEG recording.



EXCEPTIONAL RESPONSE TIMES

Powerfully Accurate and
Stunningly Fast.

Despite the massive leap in image resolution, the EOS 50D still performs amazingly fast. Whether you're shooting lightning quick action or an extremely detailed scene, this camera has what it takes to capture what you want the way you want it.



High Precision 9-point AF Sensor

To achieve superb focusing accuracy, the EOS 50D employs a powerful and high-precision AF system that features 9 cross-type AF points. When using lenses with apertures of f/5.6 and above, all AF points operate as cross-type points. At f/2.8, the centre AF point also becomes horizontally and vertically sensitive for even greater focusing precision.

The EOS 50D also allows you to make AF microadjustments via the Custom Functions menu. For users who wish to modify the AF focusing precision, this feature allows you to finely adjust of the point of focus yourself.

High-Speed Continuous Shooting

6.3

Frames
Per Sec

At a blistering shooting rate of 6.3* frames per second, the EOS 50D can capture high-octane action effortlessly. Even though the number of pixels has greatly increased, the advanced DIGIC 4 processor ensures continuous shooting remains a breeze.

Maximum burst during high-speed continuous shooting is approx. 60 shots in JPEG (Large/Fine) and approx. 17 shots in RAW when using standard CF cards. Using high-speed UDMA CF cards will bump up JPEG shooting rate to approx. 90 shots while RAW equivalent remains the same.

* According to new CIPA specifications

1/8000 sec. Maximum Shutter Speed

An excellent shutter speed range of 1/8000 sec. to 30 seconds (or longer with Bulb mode) lets you capture everything from a roaring race-car to spectacular firework displays. X-sync speed is rated at 1/250 sec.

0.1 sec. Start-up Time

With an instantaneous start-up time of just 0.1 sec., the EOS 50D will always be ready for shooting the moment you are.



LIVE VIEW SHOOTING

Freedom to Shoot the Way You Want.

No longer are you confined to the limits of the camera viewfinder. With Live View Shooting, you can now shoot using the camera's high-resolution LCD screen. The larger display gives you more freedom to shoot creatively and opens up a whole world of shooting possibilities.

Three Autofocus Modes

In Live View Shooting, you can choose from one of the three available AF modes.

LiveView
MODE



Quick Mode

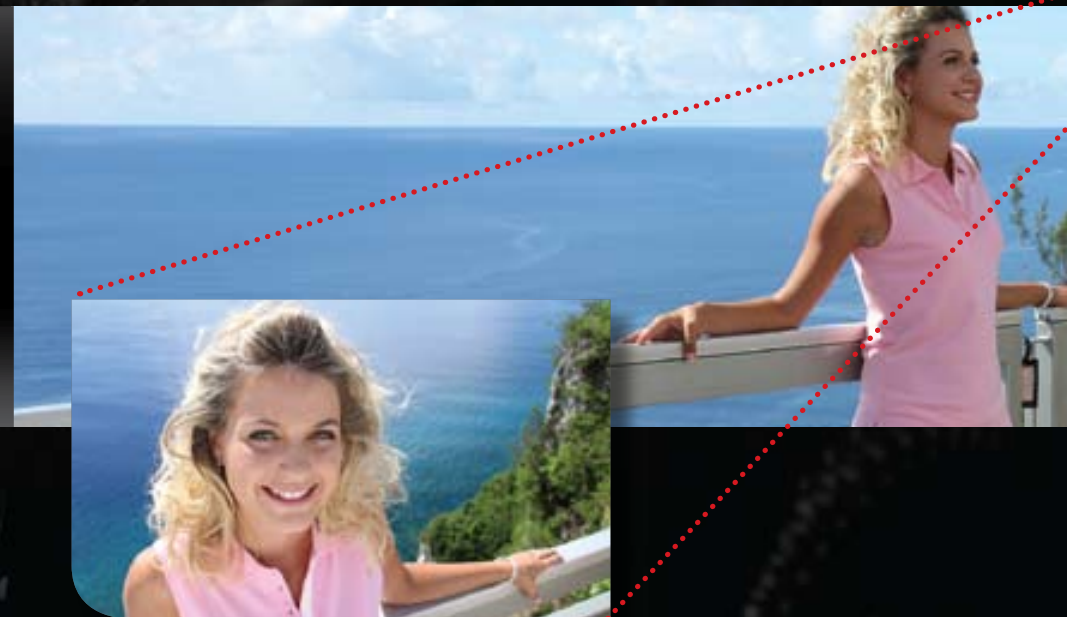
As you press the AF Start button, the camera will lower the mirror and Live Viewing will "black-out" for a moment. When focusing is completed, release the button and the Live View image instantly returns.

Live Mode

This option reads focus and subject contrast right off the imaging sensor while Live View is active. As such, there's no black-out or interruption of Live Viewing.

Live Face Detection Mode

The camera will focus on any face it detects. If multiple faces are detected, the camera will focus on the face closest to the centre and the largest. Alternatively, you can also use the multi-controller to select which face to focus on.



Silent Shooting Mode

In environments such as classical concerts and stage performances, the EOS 50D's shutter charge sound can be reduced or silenced to prevent unnecessary noise when shooting. This is possible because the camera uses a silent electrical first-curtain shutter to capture images when in Live View. You can choose from 2 silent shooting modes.

Mode 1

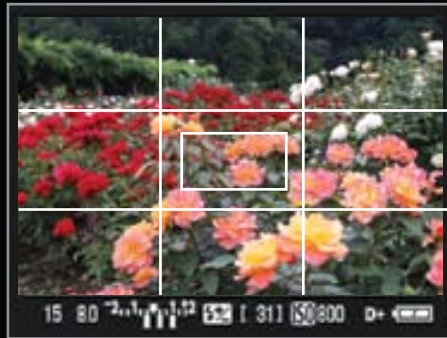
Shutter sound is significantly reduced. Can also be used during continuous shooting.

Mode 2

Shutter sound is only made when the shutter button is completely released. This allows you to control the timing of the second-curtain shutter.

Grid Display Function

Grid lines can be displayed on the LCD screen to help you achieve better image composition. Choose between a 3x3 grid or a finer 6x5 grid display.



Remote Live View Shooting

With the EOS 50D connected to a computer (via USB) running EOS Utility, you can view a real-time image from the camera on your computer monitor. Having a much larger display to view your image is useful in situations where perfect focusing is absolutely critical. The WFT-E3 wireless file transmitter can also be used to achieve a wireless connection to a computer.



Real-time Exposure Simulation

By automatically adjusting the brightness of the LCD screen, the camera can simulate different image exposure levels in real-time.

Magnify Image for Precise Focusing

The real-time on-screen image can be enlarged by 5x or 10x for more meticulous focus verification.



EOS INTEGRATED CLEANING SYSTEM

Pristine Image Quality with Every Shot.

For any SLR cameras with an interchangeable lens mount, it is almost inevitable that dust particles will accumulate on the camera's sensor over time. This might cause 'dust shadows' to appear on your otherwise perfect images.

To rectify this, the EOS 50D includes a comprehensive set of anti-dust measures designed to keep your images crystal clear. We call this the EOS Integrated Cleaning System.

Anti-Dust Coating

As the first line of defence, the sensor's low-pass filter has a fluorine coating to make it more resistant to dust adhesion.

Manual Sensor Cleaning

The camera's mirror can be raised so you can use a lens blower to remove larger dust particles that may have stuck to the sensor.

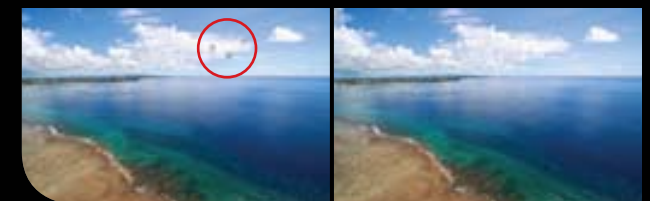
Self Cleaning Sensor Unit

If dust particles do manage to find their way to the sensor, the low-pass filter can be ultrasonically vibrated to shake them off. This procedure is automatically executed when the camera is switched on or off, and can also be activated when necessary.



Dust Delete Function

Extremely sticky dust particles stuck to the sensor can be made inconspicuous in your images with the Dust Delete Function. The first step involves detecting and registering the location and size of these dust particles. This data is then appended to the image file.



Before

After

When these images are loaded into the Canon Digital Photo Professional software, the dust delete data will be read and dust deletion will be carried out to remove any resulting dust shadows.

PICTURE STYLE

For the Colours You Desire.



Much like how photographers choose different types of film stock to match their shooting objectives, Picture Style does the same by helping you obtain the desired image effect that matches your photographic expression or your subject.

The following Picture Styles are provided with the EOS 50D:



Standard

For vivid, sharp, and crisp images. Suitable for most scenes.



Portrait

For nice, soft skin tones that emit a healthy glow.



Landscape

For vivid blue skies and greenery, and very sharp and crisp images.



Neutral

Natural colour reproduction with subdued tones. Ideal for post-processing.



Faithful

For the most accurate colour reproduction. Suitable for post-processing.



Monochrome

For black-and-white or sepia images. Filter and toning effects are available too.

Customising Picture Style

For greater personalisation, the EOS 50D has three user-defined Picture Style settings you can customise according to your own preference. You can also save these settings for future use.

The following Picture Style parameters can be changed:

Sharpness	0 to 7	Saturation	-4 to +4
Contrast	-4 to +4	Colour Tone	-4 to +4

You can also download more Picture Styles from Canon's Picture Style website (<http://web.canon.jp/imaging/picturestyle/>) and save them as a user-defined setting. Available styles include Nostalgia, Twilight, Autumn Hues, Snapshot Portrait, and much more.

Picture Style Editor

The Picture Style Editor software gives you the freedom to create your own Picture Styles for use with your EOS DIGITAL SLR. You can adjust Picture Style colour parameters such as hue, luminosity and saturation to get your desired image effect. Once done, load them to your camera and start shooting!



BUILT TO BE ENJOYED

Looks as Good as it Works.

As an extension of the photographer, it's important that users feels right at home with the camera in their hands. The EOS 50D was designed for that. Easy to operate and extremely durable, this is one camera that works as well as it should.



Large 3.0" ClearView LCD Screen



Gorgeous from every angle. That's how we describe the EOS 50D's new 3-inch ClearView LCD screen. Featuring an amazing 920,000 dots, this high-resolution VGA display will let you clearly see even the smallest detail. Seven adjustable brightness levels and a dual anti-reflection coating ensures easy viewing under any light, while a smudge-resistant surface prevents the screen from getting too dirty after a long day's use.



Durable And Lightweight Construction

To make the EOS 50D tough enough to withstand rugged shooting conditions, it is made using a stainless steel chassis with highly rigid magnesium alloy covers that are strong yet lightweight. This gives the camera its solid feel without having an excessive weight. The camera's black textured non-slip finish further ensures a sturdier grip for more confident shooting.

High-Magnification Viewfinder

With approx. 95% coverage and a 0.95x magnification ratio, the EOS 50D's viewfinder is a real treat to look at. As subjects appear clearer and larger, it's makes composing your images a whole lot easier.

Quick Control Screen

The Quick Control feature offers you a whole new way of adjusting camera settings when shooting. When activated, a Quick Control screen with all the key image settings will appear on the LCD screen. Choose the one you wish to change with the multi-controller and turn the main dial till you get you desired setting. This really is convenience at its best.



100,000 Shutter Durability

The EOS 50D's shutter has been tested to have a 100,000-cycle durability, ensuring reliable imaging performance for years to come.

Built-In Flash with Hotshoe

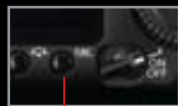
For low-light situations, the EOS 50D's built-in flash can be counted on for a little illumination. Using the renowned E-TTL II autoflash system, functions such as FE lock and flash exposure compensation are available to you. For more powerful flash performance, connect an EX-series Speedlite flash to the camera's hotshoe and experience the best in flash photography.

Interchangeable Focusing Screens

A selection of focusing screens is available for use with the EOS 50D that can aid you during shooting. Depending on your shooting objective, you can opt to use the standard precision matt screen (Ef-A) that comes with the EOS 50D, or the optional precision matte with grid (Ef-D) and super precision matte (Ef-S) screens.

Customisable FUNC. Button

The EOS 50D's <FUNC.> button can be assigned to any one of the following functions for more convenient access: LCD brightness, Image-recording quality, Exposure compensation/AEB setting, Image jump and Live View function settings



FUNC. Button

Supports UDMA CompactFlash Cards

The EOS 50D is compatible with new high-speed UDMA (Ultra Direct Memory Access) CompactFlash cards, which allow for faster read/write performance. When using a UDMA CF card, not only is the maximum number of shots during continuous shooting increased, time spent transferring images to your computer is also significantly shortened.

Folder Creation & Slideshow

For better image management, you can freely create your own folders and select the folder where you would like to store your captured images. You can also select a folder of images to playback as a slide show or use jump to browse through them. Images in the selected folder can also be deleted, printed, or transferred.



Include Copyright Info (EXIF)

Using the EOS Utility software, you can register the "Photographer" and "Copyright holder" information in the camera. This information will be recorded in the captured image's Exif information.



EOS 50D Custom Functions

Custom Functions offer you many ways to tailor the EOS 50D's performance to your own preference, so the camera works exactly the way you want it to.

	Function	No.	Settings	
C.Fn I: Exposure	Exposure level increments	0	1/3-stop	
		1	1/2-stop	
	ISO speed setting increments	0	1/3-stop	
		1	1-stop	
	ISO expansion	0	Off	
		1	On	
	Bracketing auto cancel	0	On	
		1	Off	
	Bracketing sequence	0	0, -, +	
		1	-, 0, +	
Safety shift	0	Disable		
	1	Enable (Tv/Av)		
Flash sync. speed in Av mode	0	Auto		
	1	1/250 - 1/60 sec. auto		
	2	1/250 sec. (fixed)		
C.Fn II: Image	Long exp. noise reduction	0	Off	
		1	Auto	
		3	On	
	High ISO speed noise reduction	0	Standard	
		1	Low	
		2	Strong	
		3	Disable	
	Highlight tone priority	0	Disable	
		1	Enable	
	Auto Lighting Optimizer	0	Standard	
	1	Low		
	2	Strong		
	3	Disable		
C.Fn III: Auto focus/ Drive	Lens drive when AF impossible	0	Focus search on	
		1	Focus search off	
	Lens AF stop button function	0	AF stop	
		1	AF start	
		2	AF lock	
		3	AF point: M -> Auto/Auto -> ctr	
		4	ONE SHOT <-> AI SERVO	
		5	IS start	
	AF point selection method	0	Normal	
		1	Multi-controller direct	
		2	Quick Control Dial direct	
	Superimposed display	0	On	
		1	Off	
	AF-assist beam firing	0	Enable	
		1	Disable	
		2	Only external flash emits	
	Mirror lockup	0	Disable	
		1	Enable	
	AF Microadjustment	0	Disable	
		1	Adjust all by same amount	
		2	Adjust by lens	
	C.Fn IV: Operation/ Others	Shutter button / AF-ON button	0	Metering + AF start
			1	Metering + AF start / AF stop
			2	Metering start / Meter + AF start
			3	AE lock / Metering + AF start
		4	Metering + AF start / disable	
AF-ON / AE lock button switch		0	Disable	
		1	Enable	
Assign SET button		0	Normal (disabled)	
		1	Image quality	
		2	Picture Style	
		3	Menu display	
		4	Image replay	
		5	Quick Control screen	
Dial direction during Tv/Av		0	Normal	
		1	Reverse direction	
Focusing Screen	0	Ef-A		
	1	Ef-D		
	2	Ef-S		
Add original decision data	0	Off		
	1	On		
Assign FUNC. button	0	LCD brightness		
	1	Image quality		
	2	Exposure comp / AEB setting		

FROM VISION TO PRINT

Get Your Masterpiece Ready for Printing.

When you're done shooting, it's time to take a better look at your images. The EOS 50D gives you several quick and convenient ways to do it this.



Printing Images Without A Computer

The EOS 50D offers an unprecedented level of control over image optimization with its PictBridge printing features. Connecting the camera to a PictBridge printer enables you to perform the following in-camera functions:

Adjust image contrast, brightness, saturation, colour tone, colour balance (with previews).

Face brightener and red-eye reduction.

Tilt correction ($\pm 10^\circ$ in 0.5° increments).

Horizontal and vertical image trimming.

Border or borderless printing, multiple image layouts.

Transferring Images

The EOS 50D's USB2.0 Hi-Speed port lets you transfer images to any connected computer in double-quick time. The following can also be done when transferring images with the software found in the EOS DIGITAL Solution Disk:

Transfer all images stored in the memory card to PC.

Only transfer images that have not been transferred before.

Select up to 998 images to be transferred to the PC.

Select an image to be used as your desktop wallpaper.

High-Definition Multimedia Interface (HDMI)

With its built-in mini-HDMI terminal, you can view images from the EOS 50D in all their High-Definition glory on any HD display. When the camera detects a connection to a HDMI-compatible display, image output resolution is set automatically to match the connected TV.

* A 3:2 full-screen picture (black on the left and right of TV screen) will be displayed regardless of the recording quality.



Advanced RAW Processing

The EOS 50D comes with Canon's Digital Photo Professional software which is designed to view, process, edit your images. It offers high-speed RAW image display and processing using Canon-designed algorithms that are optimised specifically for Canon's CR2 RAW files.

Digital Photo Professional also offers displays that can be customised to your workflow style. With an extensive range of image processing and editing functions, it's the software equivalent of a state-of-the-art darkroom.

THE EOS SYSTEM ADVANTAGE

Comprehensive Selection of Lenses
and Accessories for Your Camera.

When it comes to DSLR photography, a camera is only as good as its system. With over 60 high-quality EF lenses to choose from, as well as dozens of accessories such as battery grips and external flashes, rest assure that the EOS System has everything you need to accomplish your shooting objectives and more.

Canon EF Lenses

Canon EF lenses employ advanced optical expertise and micron-precision engineering to deliver exceptional optical performance. So you can be sure every lens is manufactured to the highest quality to give you superior image clarity. If you want the very best in optical imaging, go for Canon's acclaimed L Series lenses. Featuring top-grade materials such as aspherical, ultra-low dispersion lenses and fluorite elements, they give you excellent image quality that is unparalleled by any.



EF-S18-200mm f/3.5-5.6 IS

The compact EF-S18-200mm f/3.5-5.6 IS lens is a high-magnification zoom lens designed for EF-S lens-compatible cameras. The use of Ultra-Low Density and high-precision aspherical lenses ensures high image quality throughout the entire zoom range. Special lens coatings minimise flare and ghosting that frequently occur when the lens is used with a digital camera. In addition, a built-in Image Stabilizer can automatically distinguish between normal shooting and panning shots and select the optimum Image Stabilizer mode.

NEW



Lens-Based Image Stabilization for Best Results

Canon's Optical Image Stabilizer (IS) technology helps to ensure your images are steady even when you are not. Using motion sensors and a high-speed micro-computer built directly into the lens, the IS system is able to analyse vibrations and apply correction via a special stabilizing lens group. As a result, you get blur-free images that are sharp and steady.



Without IS

With IS

Unlike other camera brands who incorporate IS into the camera body, Canon builds this technology directly into Image Stabilization lenses. As the system is custom-tailored to the optics and focal length of the particular lens, this renders a far more effect Image Stabilization system as compared to in-body Image Stabilization.

WFT-E3 Wireless File Transmitter



The WFT-E3 Wireless File Transmitter extends the functionality of the EOS 50D for a more satisfying photographic experience. It functions both as a Wireless File Transmitter unit and a camera grip with controls for vertical shooting. The WFT-E3 allows you to send images from the EOS 50D directly to your computer via a wireless 802.11b/g connection. FTP, PTP and HTTP communication modes are also supported.

A USB2.0 port also enables the WFT-E3 to serve as host for storage devices such as externally powered hard drives and thumbdrives. It can even be used with GPS receivers to record details such as latitude and longitude onto the image's Exif data.

EX Speedlites

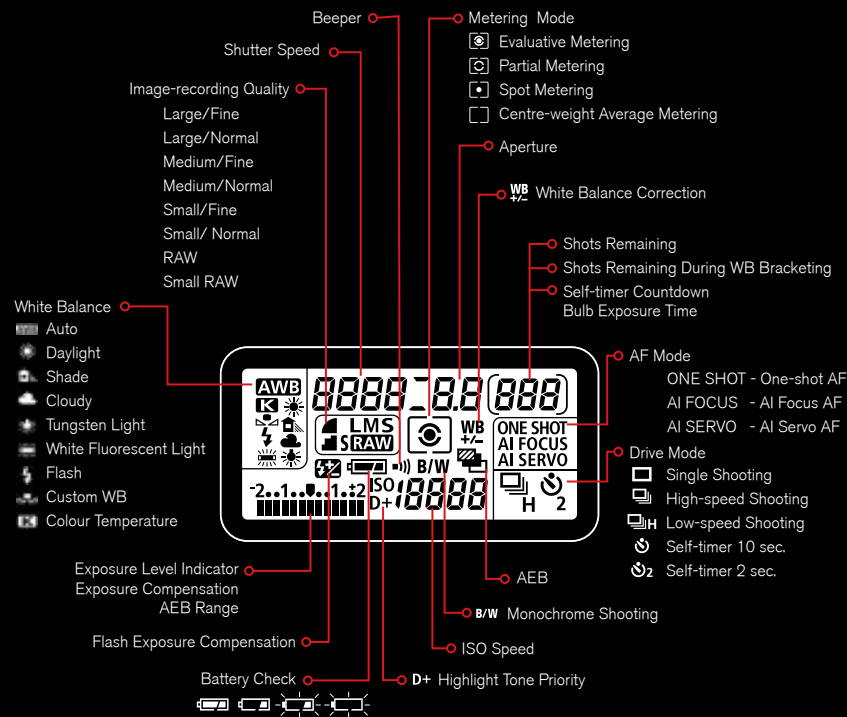


For the best flash photography has to offer, look no further than Canon's range of EX Speedlite external flash units. Making use of Canon's most advanced flash metering, Canon's E-TTL II (Evaluative Through-The-Lens) Flash Metering system offers natural-looking, properly illuminated subjects and backgrounds. This gives you the perfect balance between flash and ambient light. Speedlites like the 580EX II and 430EX II perfectly complement the EOS 50D and come with handy features that make flash photography a breeze.

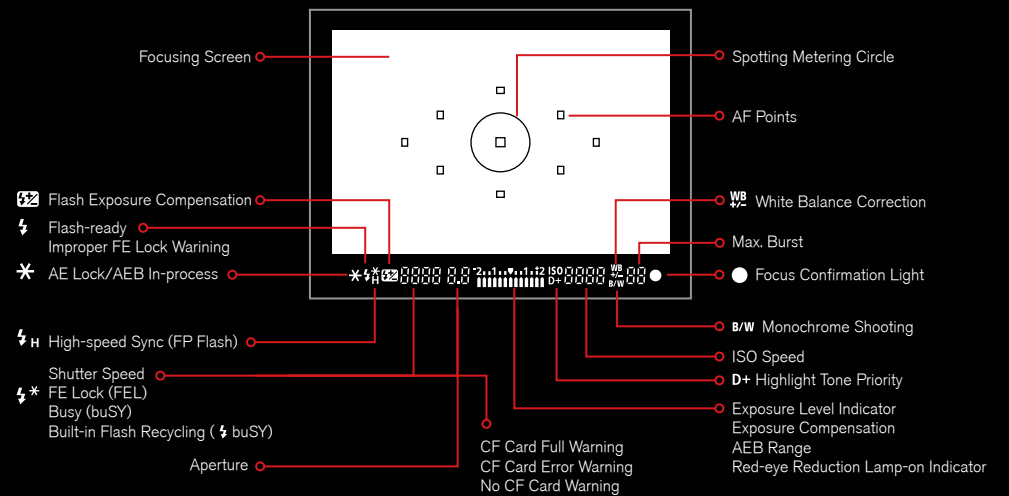
NOMENCLATURE



LCD PANEL INFORMATION



VIEWFINDER INFORMATION



EOS 50D BUNDLED APPLICATIONS

(EOS DIGITAL SOLUTION DISK VER.15.0)

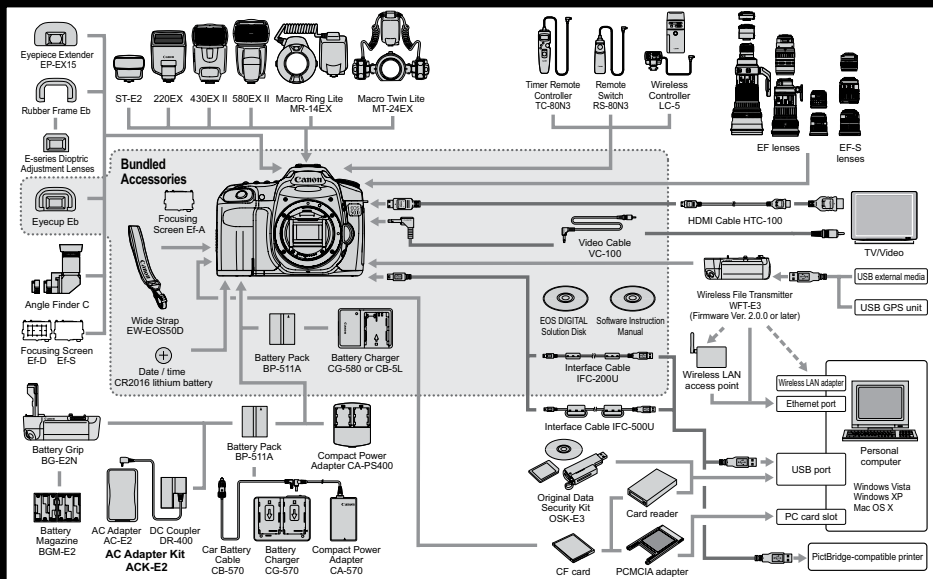
	Windows		Macintosh	
	Version	Supported Operating System	Version	Supported Operating System
Zoom Browser EX/ Image Browser	6.2	2000/XP/Vista	6.2	10.5
Digital Photo Professional	3.5			
EOS Utility	2.5			
WFT Utility/WFT pairing software	3.2			
Original Data Security Utility Original Data Security Administrator	1.5			
Picture Style Editor	1.4			
Photo Stitch	3.1			
PTP WIA/TWAIN Driver	EOS 50D only			

SPECIFICATIONS

Type	Digital, single-lens reflex, AF/AE camera with built-in flash
Recording Media	CF Card Type I and II, UDMA-compliant CF cards, Recording to USB external media via Wireless File Transmitter (WFT-E3)
Image Sensor Size	22.3mm x 14.9mm
Compatible Lenses	Canon EF lenses (including EF-S lenses) (35mm-equivalent focal length is approx. 1.6x the lens focal length)
Lens Mount	Canon EF mount
Image Sensor	High-sensitivity, high-resolution, large single-plate CMOS sensor
Type	Effective pixels: Approx. 15.10 megapixels
Pixels	Total pixels: Approx. 15.50 megapixels
Total Pixels	3:2 (Horizontal: Vertical)
Aspect Ratio	RGB primary colour filters
Colour Filter System	Fixed position in front of the CMOS sensor
Low-pass Filter	(1) Automatic sensor cleaning
Dust Deletion feature	(2) Manual cleaning of sensor
	(3) Dust Delete Data appended to the captured image
Recording System	Design rule for Camera File System 2.0 and Exif 2.21
Recording Format	JPEG, RAW (14-bit), Canon original sRAW, RAW+JPEG
Image Type	(1) Large/Fine: Approx. 5.0MB (4752 x 3168 pixels)
File Size	(2) Large/Normal: Approx. 9.5MB (4752 x 3168 pixels)
	(3) Medium/Fine: Approx. 3.0MB (3456 x 2304 pixels)
	(4) Medium/Normal: Approx. 1.6MB (3456 x 2304 pixels)
	(5) Small/Fine: Approx. 1.7MB (2352 x 1536 pixels)
	(6) Small/Normal: Approx. 0.9MB (2352 x 1536 pixels)
	(7) RAW: Approx. 20.2MB (4752 x 3168 pixels)
	(8) RAW+Large/Fine: Approx. 20.2+5.0MB (4752 x 3168 pixels)
	(9) sRAW 1: Approx. 12.6MB (3267 x 2178 pixels)
	(10) sRAW 1+Large/Fine: Approx. 12.6+5.0MB (3267 x 2178 pixels)
	(11) sRAW 2: Approx. 9.2MB (2376 x 1584 pixels)
	(12) sRAW 2+Large/Fine: Approx. 9.2+5.0MB (2376 x 1584 pixels)
	Exact file sizes depend on the subject, ISO speed, Picture Style, etc.
Recording Functions	With the WFT-E3 attached, image recording to the CF card and to the USB external media connected to the WFT-E3 will be possible as follows:
	(1) Standard
	(2) Automatic switching of recording media
	(3) Separate recordings according to image-recording quality
	(4) Recording identical images to both recording media
Backup Recording	Enabled with WFT-E3 attached.
File Numbering	Consecutive numbering, auto reset, manual reset. Possible to create new folders and select folders in the CF card to store captured images.
RAW + JPEG	Provided (sRAW+JPEG also possible)
Simultaneous Recording	sRGB, Adobe RGB
Colour Space	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Def. 1-3
Picture Style	
Image Processing	Auto Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom, Colour Temperature setting
Auto White Balance	Auto white balance with the image sensor
Colour Temperature	White balance correction: ±9 stops in full-stop increments
Compensation	White balance bracketing: ±3 stops in full-stop increments
	Blue/amber direction or magenta/green direction possible
Colour Temperature Information Transmission	Provided
Viewfinder	Eye-level pentaprism
Type	Vertical/Horizontal approx. 95%
Coverage	Approx. 0.95x (1 in.) with 50mm lens at infinity
Magnification	Approx. 22mm (from eyepiece lens center)
Eye-point	-3.0 to +1.0mm (-1 diopter)
Built-in Dioptic Adjustment	Interchangeable (EF-D: Grid lines, EF-S (Point of Focus), EF-A standard focusing screen provided)
Focusing Screen	Quick-return half mirror (transmission: reflectance ratio of 40:60, no mirror cut-off with EF50mm f/1.4 USM or shorter lenses)
Mirror	AF information (AF points, focus confirmation light), Exposure information (shutter speed, aperture, ISO speed, AE lock, exposure level, spot metering circle), Flash information (flash ready, flash exposure compensation, High-speed sync, FE lock, Red-eye reduction light), Image information (highlight tone priority, monochrome shooting, maximum burst, white balance correction, CF card information)
Viewfinder Information	Enabled with depth-of-field preview button
Depth-of-Field Preview	
Autofocus	TTL-CF-SiR AF-dedicated CMOS sensor
Type	9 (Cross-type)
AF Points	EV -0.5 ~ +18 (at 73°F/23°C, ISO 100)
Metering Range	Auto, One-Shot AF, Predictive AI Servo AF, AI Focus AF, Manual focusing (MF)
Focusing Modes	Automatic selection, manual selection
AF Point Selection	Superimposed in viewfinder and indicated on LCD panel
Selected AF Point Display	Small series of flashes fired by built-in flash
AF-assist Beam	Effective range: Approx. 13.1 ft/4.0m at center, approx. 11.5 ft/3.5m at periphery
Exposure Control	
Metering Modes	35-zone TTL full-aperture metering
	• Evaluative metering (linkable to all AF point)
	• Partial metering (approx. 3% of viewfinder at center)
	• Spot metering (approx. 3.8% of viewfinder at center)
	• Center-weighted average metering
Metering Range	EV 0 ~ 20 (at 73°F/23°C with EF50mm f/1.4 USM lens, ISO 100)
Exposure Control	Program AE (Shiftable), Shutter-priority AE, Aperture-priority AE, Depth-of-field AE, Creative Auto, Full auto, Programmed image control modes (portrait, landscape, close-up, sports, night portrait, flash off), Manual exposure, E-TTL II multi-flash program AE
	Automatically set ISO 100 ~ 3200 (in 1/3-stop or 1-stop increments)
ISO Speed	Basic Zone modes: ISO 100 ~ 1600 set automatically
	Extension settings (with CFn3-1): ISO 6400, ISO 12800
	High Tone Priority settings: ISO 200 ~ 3200
Exposure Compensation	Manual: ±3 stops in 1/3- or 1/2-stop increments (can be combined with AEB)
AE Lock	Auto: Applied in One-Shot AF mode with evaluative metering when focus is achieved
	Manual: By AE lock button
Shutter	Vertical-travel mechanical, electronically controlled, focal-plane shutter
Type	1/8000 to 1/60 sec., X-sync at 1/250 sec.
Shutter Speeds	1/8000 to 30 sec., bulb (Total shutter speed range, Available range varies by shooting mode)
Shutter Release	Soft-touch electromagnetic release
Self-timer	10-sec. or 2-sec. delay
Remote Control	Remote control with IR-type terminal

Built-in Flash	Retractable, auto pop-up flash			
Type	E-TTL II autofocus			
Flash Metering	13/43 (ISO 100, in meters/feet)			
Guide Number	Approx. 3 sec.			
Recycling Time	Flash-ready icon lights in viewfinder			
Flash-ready Indicator	17mm lens focal length			
Flash Coverage	Provided			
FE Lock	Up to ±2 stops in 1/3- or 1/2-stop increments			
Flash Exposure Compensation				
External Speedlite	Provided			
Zooming to Match Lens Focal Length	EK-series Speedlites			
Compatible Flash	E-TTL II autofocus			
Flash Metering	±2 stops in 1/3- or 1/2-stop increments			
Flash Exposure Compensation	Provided			
FE Lock	Flash function settings, Flash CLn settings			
External Flash Settings				
Drive System	Single, High-speed continuous, Low-speed continuous, and Self-timer (10 sec. or 2 sec. delay)			
Drive Modes	High-speed: Max. 6.3 shots/sec.			
Continuous Shooting Speed	Low-speed: Max. 3 shots/sec.			
Maximum Burst	JPEG (Large/Fine): approx. 60 (CF)/approx. 90 (UDMA CF)			
	RAW: approx. 17			
	RAW+JPEG (Large/Fine): approx. 11			
	Based on Canon's testing standards with a 2GB CF card, high-speed continuous shooting, ISO 100 and Standard Picture Style			
	Varies depending on the subject, CF card brand, image-recording quality, ISO speed, drive mode, Picture Style, etc.			
Live View Functions				
Shooting Modes	(1) Live View shooting			
	(2) Remote Live View shooting (with a personal computer installed with EOS Utility)			
Focusing	Manual focus			
Metering Modes	Autofocus (Live View image interrupted for AF): Quick mode, Live mode, Live Face Detection mode			
Metering Range	Evaluative metering with the image sensor			
Magnified View	EV 0 ~ 20 (at 73°F/23°C with EF50mm f/1.4 USM lens, ISO 100)			
Grid Display	By 5x or 10x at AF point			
Exposure Simulation	Provided			
Silent Shooting	Provided (Mode 1 and 2)			
LCD Monitor	TFT colour, liquid-crystal monitor			
Type	3.0 in.			
Monitor Size	Approx. 920,000 (VGA)			
Data	Approx. 100% (viewing angle: approx. 160°)			
Coverage	7 levels provided			
Brightness Adjustment	25			
Interface Languages				
Image Playback				
Display Format	Single image, Single image + Image-recording quality/shooting information, histogram, 4- or 9-image image, magnified view (approx. 1.5x-10x), rotated image (auto/manual), image jump (by 10/100 images, index screen, by shooting date, by folder), slide show (all images/selected by date/folder)			
	Provided (Overexposed highlights blink)			
Highlight Warning				
Image Protection and Erase				
Protect	Single images can be erase-protected or not			
Erase	Single image, check-marked images or all images in the CF card can be erased (except protected images)			
Direct Printing	PictBridge-compatible printer			
Compatible Printers	JPEG images compliant to Design rule for Camera File System (DPOF printing possible)			
Printable Images	and RAW/sRAW images captured with the EOS 50D			
Easy Print feature	Provided			
DPOF: Digital Print Order Format	Version 1.1 compatible			
Direct Image Transfer				
Compatible Images	JPEG and RAW images			
	Only JPEG images can be transferred as wallpaper on the personal computer screen			
Customization				
Custom Functions	Total 25			
Camera User Settings	Register under Mode Dial's C1 and C2 positions			
My Menu Registration	Provided			
Interface				
USB Terminal	For personal computer communication and direct printing (USB 2.0 Hi-Speed)			
Video Out Terminal	(1) Video OUT terminal: NTSC/PAL selectable			
	(2) HDMI mini OUT terminal			
Extension System Terminal	For connection to WFT-E3			
Power Source				
Battery	One Battery Pack BP-511A			
	AC power can be supplied via optional AC Adapter Kit ACK-E2 (with optional Battery Grip BG-E2 or BG-E2 attached, AA-size batteries can be used)			
	Number of shots (approx.)			
Number of Shots				
	Temperature	Shooting Conditions		
		No Flash	50% Flash Use	
	Normal Shooting	73°F/23°C	800	640
		32°F/0°C	640	540
	Live View Shooting	73°F/23°C	180	170
		32°F/0°C	140	130
Battery Check	Auto			
Power Saving	Provided. Power turns off after 1, 2, 4, 15 or 30 min.			
Date/Time Battery	One CR2016 lithium battery			
Start-up Time	Approx. 0.1 sec. (Based on CIPA testing standards)			
Dimensions and Weight				
Dimensions (WxHxD)	Approx. 5.7 x 4.2 x 2.9 in./145.5 x 107.8 x 73.5mm			
Weight	Approx. 25.7 oz./730g (body only)			
Operating Environment				
Working Temperature Range	32-104°F/0-40°C			
Working Humidity Range	85% or less			
*All the specifications above are based on Canon's testing standards.				
*The camera's specifications and exterior are subject to change without notice.				

SYSTEM CHART





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