

Canon EOS 400D - specs

IMAGE SENSOR	
Type	22.2 x 14.8mm CMOS
Effective Pixels	Approx. 10.1M
Total Pixels	Approx. 10.5M
Aspect Ratio	3:2
Low-Pass Filter	Built-in/Fixed with Self Cleaning Sensor Unit
Colour Filter Type	Primary Colour
IMAGE PROCESSOR	
DIGIC II	
LENS	
Lens Mount	EF/EF-S
Focal Length	1.6x Multiplication with EF lens fitted
FOCUSING TYPE	
Type	TTL-CT-SIR with a CMOS sensor
AF System/Points	9-point AF
AF Working Range	EV -0.5-18 (at 23°C & ISO100)
AF Modes	AI Focus One Shot AI Servo
AF Point Selection	Automatic selection, Manual selection
Selected AF Point Display	Superimposed in viewfinder and indicated on LCD monitor
Predictive AF	Yes
AF Lock	Locked when shutter button is pressed half way in One Shot AF mode.
AF Assist Beam	Intermittent firing of built-in flash
Manual Focus	Selected on lens
EXPOSURE CONTROL	
Metering Modes	TTL full aperture metering with 35-zone SPC (1) Evaluative metering (linked to all AF points) (2) Partial metering at center (approx. 9% of viewfinder) (3) Center weighted average metering
Metering Range	EV 1-20 (at 23°C with 50mm f/1.4 lens ISO100)
AE Lock	Auto: Operates in 1-shot AF mode with evaluative metering when focus is achieved Manual: By AE lock button in creative zone modes.
Exposure Compensation	+/- 2 EV, 1/2 or 1/3-stop increments
AEB	+/- 2 EV, 1/2 or 1/3-stop increments
ISO Speed Equivalent	AUTO(100-400), 100, 200, 400, 800, 1600
SHUTTER	
Type	Electronically-controlled focal-plane shutter
Speed	30-1/4000 sec (1/2 or 1/3 stop increments), Bulb.
Shutter Release	Soft touch electromagnetic release
WHITE BALANCE	
Type	Auto white balance with the imaging sensor
Settings	AWB, Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom. White balance compensation: 1. Blue/Amber +/-9 2. Magenta/ Green +/-9.
WB Bracketing	+/-3 stops in full stop increments 3 bracketed images per shutter release. Selectable Blue/Amber bias or Magenta/ Green bias.
COLOUR MATRIX TYPE	
Two types of colour space, sRGB and Adobe RGB.	
VIEWFINDER	
Eye-level SLR (with fixed pentamirror)	
Coverage (Vertical/Horizontal)	Approx. 95%
Magnification	0.8x ¹
Eyepoint	21mm
Dioptre Correction	-3 to +1 dpt
Focusing Screen	Fixed
Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60)
Viewfinder Information	AF information (AF points, focus confirmation light), exposure information (shutter speed, aperture value, ISO speed, AE lock, exposure level/compensation, exposure warning, AEB), flash information (flash ready, high-speed sync, FE lock, flash exposure compensation), white balance correction, CF card information
Depth of Field Preview	Yes
Eyepiece Shutter	On strap
LCD MONITOR	
Monitor	2.5" TFT, approx. 230,000 pixel
Coverage	Approx. 100%
Brightness	Adjustable to one of seven levels
FLASH	
Modes	Auto, Manual Flash On/Off, Red-Eye Reduction
HotShoe/ PC terminal	Yes/ No
X-sync	1/200sec
Red-eye Reduction	Yes
Flash Exposure Compensation	+/- 2EV in 1/2 or 1/3 increments
Flash Exposure Bracketing	Yes
Flash Exposure Lock	Yes
Second Curtain Synchronisation	Yes
Built-in Flash Range	Coverage upto 17mm focal length (27mm equivalent)
Guide Number (ISO 100, meters)	13
External Flash	E-TTL II with EX series Speedlites, wireless multi-flash support
SHOOTING	
Modes	Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, No Flash, Program AE, Shutter priority AE, Aperture priority AE, Manual, A-DEP
Photo Effects	Monochrome (selected from the "Picture Style" menu) with options for Filters and Toning Effects.
Drive Modes	Single/Continuous
Continuous Shooting	Max. Approx. 3fps. (speed maintained for up to 27 images (JPEG) ² , 10 images (RAW) ³
RECORDING PIXELS / COMPRESSION	
Image Size	(LF) 3888x2592, (LN) 3888x2592, (MF) 2816x1880, (MN) 2816x1880, (SF) 1936x1288, (SN) 1936x1288, (RAW) 3888x2592
Compression	Fine, Normal, RAW (Canon RAW 2nd edition)
FILE FORMAT	
Still Image Format	JPEG (Exif 2.21 [Exif Print] compliant) / Design rule for Camera File system (2.0), Digital Print Order Format [DPOF] Version 1.1 compliant
RAW+JPEG Simultaneous Recording	Yes (RAW + Large JPEG only)
File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset
Processing Parameters	6 Preset 'Picture Styles' with 3 User defined settings
DIRECT PRINT	
Canon Printers	Canon Selphy Printers, Bubble Jet Printers with the direct print function and PIXMA Printers supporting PictBridge
PictBridge	Yes
OTHER FEATURES	
Custom Functions	11 Custom Functions with 29 settings
LCD Panel (EL) Illumination	N/A
Water/ Dust Resistance	No
Sound Memo	No
Intelligent Orientation Sensor	Yes
Histogram	Brightness: Yes RGB: Yes
Playback Zoom	1.5x - 10x

Display Formats	(1) Single image with information (2) Single image (3) 9 image index
Image Erase Protection	Erase protection of one image at a time
Image Erase	Single image, All
Self Timer	Approx. 10 sec.
Menu Categories	(1) Shooting 1 Menu: 4 (2) Shooting 2 Menu: 7 (3) Playback menu: 7 (4) Setup 1 menu: 7 (5) Setup 2 menu: 7
Menu Languages	English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Russian, Simplified Chinese, Traditional Chinese, Korean, Japanese
Firmware Update	Update possible by the user.

INTERFACE

Computer	USB 2.0 Hi-Speed (Mini-B)
Other	Video output (PAL/ NTSC)

MEMORY CARD

Type	CompactFlash Type I / II (Microdrive compatible) ⁴
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SUPPORTED OPERATING SYSTEM

PC	Windows 98 (including SE)/2000/Me/XP
Macintosh	OS X v10.2 to v10.4

SOFTWARE

Browsing & Printing	ZoomBrowser EX / ImageBrowser
Other	PhotoStitch, EOS Utility (inc. Remote Capture for Windows 2000 / XP and Mac, except Intel Mac with OS 10.4.4-10.4.6)
Drivers	TWAIN (Windows 98 / 2000), WIA (Windows Me)
Image Manipulation	Digital Photo Professional (Windows 2000 / XP and Mac)

POWER SOURCE

Batteries	Rechargeable Li-ion Battery NB-2LH (NB-2LH battery supplied), 1xCR2016 for date & settings
Battery Life	Approx. 360 (at 23°C, AE 50%, FE 50%) ⁵ Approx. 280 (at 0°C, AE 50%, FE 50%)
Battery Check	Automatic
Power Saving	Power turns off after 30sec or 1, 2, 4, 8 or 15mins.
A/C Power Supply	Optional, AC Adapter Kit ACK-DC20 / ACK-700

ACCESSORIES

Case	Semi-Hard Case EH18-L
Lenses	All EF and EF-S lenses
Flash	Canon Speedlites (220EX, 380EX, 420EX, 430EX, 550EX, 580EX, Macro-Ring-Lite MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2)
Battery Grip	BG-E3
Remote Controller/ Switch	Remote Switch RS-60E3, Remote Controller RC-1/RC-5
Power Supply & Battery Chargers	AC Adapter Kit ACK-DC20 / ACK-700, Battery charger CB-2LWE / CB-2LTE, Car Battery Charger CBC-NB2, Battery NB-2LH

PHYSICAL SPECIFICATIONS

Body Materials	Stainless Steel/Plastic
Operating Environment	0 – 40 °C, 85% or less humidity
Dimensions (WxHxD)	126.5 x 94.2 x 65mm
Weight (body only)	Approx. 510g

**All data is based on Canon standard testing methods except where indicated.
Subject to change without notice.**

- 1 With 50mm lens at infinity, -1 dpt
- 2 Large/Fine resolution
- 3 Depending on memory card speed / capacity
- 4 Compatible with all CF memory card capacities, including CF cards of 2GB and more
- 5 Based on the CIPA Standard & using batteries & memory card format supplied with the camera, except where indicated