Canon EOS 1300D Specifications

IMAGE SENSOR

Type

Approx. 22.3 mm x 14.9 mm

Effective Pixels

Approx. 18.0 megapixels

Total Pixels

Approx. 18.7 megapixels

Aspect Ratio

3:2

Low-Pass Filter

Built-in/Fixed

Sensor Cleaning

Manual cleaning and Dust Delete Data acquisition

Colour Filter Type

Primary Colour

IMAGE PROCESSOR

Type

DIGIC 4+

LENS

Lens Mount

EF/EF-S

Focal Length

Equivalent to 1.6x the focal length of the lens

FOCUSING

Type

TTL-CT-SIR with a CMOS sensor

AF System/ Points

9 AF points (f/5.6 cross type at centre)

AF working range

Centre AF point: EV 0 -18 (at 23°C & ISO100)
Other AF points: EV 1 -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, up to 10m

AF Lock

Locked when shutter button is pressed half way in One Shot AF mode.

AF Assist Beam

Intermittent firing of built-in flash or emitted by optional dedicated Speedlite

Manual Focus

Selected on lens

EXPOSURE CONTROL

Metering modes

TTL full aperture metering with 63-zone SPC
(1) Evaluative metering (linked to all AF points)
(2) Partial metering at center (approx. 10% 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: In 1-shot AF mode with evaluative metering exposure is locked when focus is achieved.
Manual: By AE lock button in creative zone modes.

Exposure Compensation

+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB).

AEB

3 shots +/- 2 EV, 1/2 or 1/3-stop increments

ISO Sensitivity**

AUTO (100-6400), 100-6400 in 1-stop increments
ISO can be expanded to H: 12800
During Movie shooting: Auto (100-6400), 100-6400 (Whole stop increments)

SHUTTER

Type

Electronically-controlled focal-plane shutter, with electronic first curtain

Speed

30-1/4000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)

WHITE BALANCE

Type

Auto white balance with the imaging sensor

Settings

AWB (Ambience priority, White priority), Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom.
White balance compensation:
1. Blue/Amber +/-9
2. Magenta/ Green +/-9.

Custom White Balance

Yes, 1 setting can be registered

WB Bracketing

+/-3 levels in single level increments
3 bracketed images per shutter release.
Selectable Blue/Amber bias or Magenta/Green bias.

VIEWFINDER

Type

Pentamirror

Coverage (Vertical/Horizontal)

Approx. 95%

Magnification

Approx. 0.80x[1]

Eyepoint

Approx. 21mm (from eyepiece lens center)

Dioptre Correction

-2.5 to +0.5 m^{-1} (dioptre)

Focusing Screen

Fixed

Mirror

Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF600mm f/4 or shorter)

Viewfinder Information

AF information: AF points, focus confirmation light
Exposure information: Shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, exposure warning, AEB
Flash information: Flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light
Image information: Highlight tone priority (D+), monochrome shooting, maximum burst (1 digit display), White balance correction, SD card information

Depth of field preview

Yes, assigned to SET button with C.Fn-9-4

Eyepiece shutter

On strap

LCD MONITOR

Type

7.5cm (3.0") TFT, approx. 920k dots

Coverage

Approx. 100%

Viewing Angle (horizontally/vertically)

Approx 170°

Brightness Adjustment

Adjustable to one of seven levels

Display Options

(1) Quick Control Screen
(2) Camera settings

FLASH

Built-in Flash GN (ISO 100, meters)

9.2

Built-in Flash Coverage

up to 17mm focal length (35mm equivalent: 27mm)

Built-in Flash recycle time

Approx. 2 seconds

Modes

Auto, Manual Flash On/off

Red-Eye Reduction

Yes - with red eye reduction lamp

X-sync

1/200sec

Flash Exposure Compensation

+/- 2EV in 1/2 or 1/3 increments

Flash Exposure Bracketing

Yes, with compatible External Flash

Flash Exposure Lock

Yes

Second Curtain Synchronisation

Yes

HotShoe/ PC terminal

Yes/No

External Flash Compatibility

E-TTL II with EX series Speedlites, wireless multi-flash support (with optional accessory)

External Flash Control

via camera menu screen, except for wireless radio flash shooting settings

SHOOTING

Modes

Scene Intelligent Auto, No Flash, Creative Auto, Portrait, Landscape, Close-up, Sports, Food, Night Portrait, Movie, Program AE , Shutter priority AE, Aperture priority AE, Manual

Picture Styles

Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined (x3)

Colour Space

sRGB and Adobe RGB

Image Processing

Highlight Tone Priority
Auto Lighting Optimizer (4 settings)
Long exposure noise reduction
High ISO speed noise reduction (4 settings)
Auto Correction of Lens Peripheral illumination
Basic+ (Shoot by ambience selection, Shoot by lighting or scene type)
Creative filters (Grainy B/W, Soft focus, Toy camera, Miniature effect, Fish-eye) - during image Playback only

Drive modes

Single, Continuous, Self timer (2s, 10s+remote, 10s + continuous shots 2-10)

Continuous Shooting

Max. Approx. 3fps for approx. 1110 JPEG images[1], 6 images RAW[2] [3]

LIVE VIEW MODE

Type

Electronic viewfinder with image sensor

Coverage

Approx. 100% (horizontally and vertically)

Frame Rate

30 fps

Focusing

Manual Focus (Magnify the image 5x or 10x at any point on screen)
Autofocus: Quick mode, Live mode

Metering

Real-time evaluative metering with image sensor
Active metering time can be changed

Display Options

Grid overlay, Histogram

FILE TYPE

Still Image Type

JPEG: Fine, Normal (Exif 2.30 compliant) / Design rule for Camera File system (2.0),
RAW: RAW (14bit, Canon original RAW 2nd edition),
Digital Print Order Format [DPOF] Version 1.1 compliant

RAW+JPEG simultaneous recording

Yes, RAW + Large JPEG

Image Size

JPEG 3:2: (L) 5184x3456, (M) 3456x2304, (S1) 2592x1728, (S2) 1920x1280, (S3) 720x480
JPEG 4:3: (L) 4608x3456, (M) 3072x2304, (S1) 2304x1728, (S2) 1696x1280, (S3) 640x480
JPEG 16:9: (L) 5184x2912, (M) 3456x1944, (S1) 2592x1456 (S2) 1920x1080, (S3) 720x400
JPEG 1:1: (L) 3456x3456, (M) 2304x2304, (S1) 1728x1728, (S2) 1280x1280, (S3) 480x480
RAW: (RAW) 5184x3456

Movie Type

MOV (Video: H.264, Sound: Linear PCM, recording level can be manually adjusted by user)

Movie Size

1920 x 1080 (29.97, 25, 23.976 fps)
1280 x 720 (59.94, 50 fps)
640 x 480 (30, 25 fps)

Movie Length

Max duration 29min 59sec, Max file size 4GB

Folders

New folders can be manually created and selected

File Numbering

(1) Consecutive numbering
(2) Auto reset
(3) Manual reset

OTHER FEATURES

Custom Functions

11 Custom Functions with 33 settings

Metadata Tag

User copyright information (can be set in camera)
Image rating (0-5 stars)

Intelligent Orientation Sensor

Yes

Playback zoom

1.5x - 10x enabled in 15 steps

Display Formats

(1) Single image with information (2 levels)
(2) Single image
(3) Index display (4/9/36/100 images)
(4) Jump Display (1/10/100 images, by Date,by Folder, Movies only, Stills only, by Rating)

Slide Show

Image selection: All images, by Date, by Folder, Movies, Stills, Rating
Playback time: 1/2/3/5/10 or 20 seconds
Repeat: On/Off
Transition Effect: Off, Slide 1, Slide 2, Fade 1, Fade 2, Fade 3
Background Music: On, Off

Histogram

Brightness: Yes
RGB: Yes

Highlight Alert

Yes (Shooting information display only)

Image Erase/Protection

Erase: Single image, All images in folder, Checkmarked images, unprotected images
Protection: Erase protection of one image at a time

Menu Categories

(1) Shooting menu (x4)
(2) Playback menu (x2)
(3) Setup menu (x3)
(4) My Menu

Menu Languages

25 Languages
English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean and Japanese

Firmware Update

Update possible by the user.

INTERFACE

Computer

Hi-Speed USB

Other

Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible)

Wi-Fi

Built-in Wi-Fi transmission
Connectivity to Smart devices is possible with Android version 4.0-4.4/5.0-5.1 or iOS 7.1/8-8.3.
NFC connectivity is possible only with compatible Android devices.

DIRECT PRINT

Canon Printers

Canon Compact Photo Printers and PIXMA Printers supporting PictBridge

PictBridge

Yes

STORAGE

Type

SD card, SDHC card or SDXC card

SUPPORTED OPERATING SYSTEM

PC & Macintosh

Windows 10 / 8.1 / 8 / 7*
* With Microsoft .NET Framework 4.5 is installed.
Mac OS X 10.9, 10.10, 10.11

SOFTWARE

Browsing & Printing

Digital Photo Professional 4.4.0 (RAW Image Processing)

Image Processing

EOS Utility
EOS Lens Registration Tool
EOS Web Service Registration Tool
EOS Sample Music
Picture Style Editor

POWER SOURCE

Batteries

1 x Rechargeable Li-ion Battery LP-E10

Battery life

Approx. 500 (at 23°C, AE 50%, FE 50%)[1]
Approx. 410 (at 0°C, AE 50%, FE 50%)

Battery Indicator

4 levels

Power saving

Power turns off after 30sec or 1, 2, 4, 8 or 15mins.

Power Supply & Battery Chargers

AC Adapter Kit ACK-E10, Battery charger LC-E10, LC-E10E

PHYSICAL SPECIFICATIONS

Body Materials

Carbon fiber/glass fiber and polycarbonate resin

Operating Environment

0 – 40 °C, 85% or less humidity

Dimensions (WxHxD)

129.0 x 101.3 x 77.6mm

Weight (body only)

Approx. 485g (CIPA testing standard, including battery and memory card)

ACCESSORIES

Viewfinder

Eyecup Ef, E-series Dioptric Adjustment Lens with Rubber Frame Ef, Eyepiece Extender EP-EX15II, Angle Finder C, Magnifier MG-Ef

Case

Semi Hard Case EH26-L, EH27-L

Wireless File Transmitter

Not available

Lenses

All EF and EF-S lenses

Flash

Canon Speedlites (90EX, 220EX, 270EX, 270EX II, 320EX, 420EX, 430EX, 430EX II, 430EX III-RT, 550EX, 580EX, 580EX II, 600EX, 600EX-RT, Macro-Ring-Lite MR-14EX, MR-14EX II, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT)

Battery Grip

Not available

Remote Controller/ Switch

Remote Switch RS-60E3

Other

Hand Strap E2, GPS Receiver GP-E2, HDMI Cable HTC-100

Disclaimers

All data is based on Canon standard testing methods except where indicated.

Subject to change without notice.

* with EF300mm f/2.8L IS USM at 50kph

** Recommended Exposure Index

Footnotes

Magnification - [1] with 50mm lens at infinity, -1m-1 dpt

Continuous Shooting - [1] Large/Fine(Quality 8) resolution
[2] Based on Canon's testing conditions, JPEG, ISO 100, Standard Picture Style. Varies depending on the subject, memory card brand and capacity, image recording quality, ISO speed, drive mode, Picture Style, Custom functions etc.
[3] Maximum fps and buffer capacity may be reduced depending on the cameras settings and light level

Battery life - [1] Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated