

**Canon**

# PowerShot A2500



## At a Glance

**16.0** MEGA  
PIXELS  
CCD

### 16.0 Megapixel CCD Sensor

16.0 Megapixel CCD sensor delivers photos with fine detail and brilliant colour.

**ECO**  
Mode

### Eco Mode

New power saving mode extending battery life up to 30%.

**DiG!C**  
4

### DiG!C 4 Processor

Features such as high-speed continuous shooting, Full HD video and Face Detection Self-timer.



**Face Detection**  
Technology

### Face Detection

Detects up to 35 faces in a single frame making sure they remain in focus with optimum brightness.

**Smart**  
**AUTO**  
32 SCENES

### Smart Auto - 32 Scenes

Detects 32 different scenes by assessing various factors in both the background and the subject.



**Creative Filter**

### Creative Filters

Toy camera, Miniature, Fish-Eye, Monochrome, Super Vivid and Poster effects.

# Detailed Specifications

## Image Sensor

Type  
1/2.3 type CCD

Effective Pixels  
Approx. 16.0M

Colour Filter Type  
Primary Colour

## Image Processor

Type  
DIGIC 4 with iSAPS technology

## Lens

Focal Length  
5.0 – 25.0 mm (35 mm equivalent: 28 – 140 mm)

Zoom  
Optical 5xZoomPlus 10xDigital Approx. 4x. Combined  
Approx. 20x [1]

Maximum f/number  
f/2.8 – f/6.9

Construction  
6 elements in 5 groups(1 double-sided aspherical lens, 1  
double-sided aspherical UA lens)

## Focusing

Type  
TTL

AF System/ Points  
AiAF (Face Detection / 9-point), 1-point AF (fixed to centre)

AF Modes  
Single, Continuous (Auto mode only), Servo AF/AE[10],  
Tracking AF[10]

AF Point Selection  
Size (Normal, Small)

AF Lock  
On/Off Selectable

AF Assist Beam  
Yes

Closest Focusing Distance  
3 cm (W) from front of lens in macro

## Exposure control

Metering modes  
Evaluative (linked to Face Detection AF frame), Centre-  
weighted average, Spot (centre)

AE Lock  
On/Off Selectable

Exposure Compensation  
+/- 2 EV in 1/3 stop increments. Enhanced i-Contrast for  
automatic dynamic range correction

ISO sensitivity [3]  
AUTO, 100, 200, 400, 800, 1600

## Shutter

Speed  
1 – 1/2000 sec. (factory default)15 – 1/2000 sec. (total range  
– varies by shooting mode)

## White balance

Type  
TTL

Settings  
Auto (including Face Detection WB), Daylight, Cloudy,  
Tungsten, Fluorescent, Fluorescent H, Custom

## LCD monitor

Monitor  
6.8 cm (2.7") TFT, Approx. 230,000 dots

Coverage  
Approx. 100%

Brightness  
Adjustable to one of five levels. Quick-bright LCD

## Flash

Modes  
Auto, Manual Flash On / Off, Slow Synchro  
Slow Sync Speed  
Yes. Fastest speed 1/2000 sec.  
Red-Eye Reduction  
Yes  
Flash Exposure Compensation  
Face Detection FE, Smart Flash Exposure  
Flash Exposure Lock  
Yes  
Built-in Flash Range  
50cm – 3.0 m (W) / 1.2 – 2.0 m (T)

External Flash  
Canon High Power Flash HF-DC1Canon High Power Flash  
HF-DC2

## Shooting

### Modes

Smart Auto (32 scenes detected), P, Live View Control, Digital IS, Portrait, Face Self-Timer, Low Light (4.0MP), Fish-eye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect, Snow, Fireworks, Long Shutter

### Modes in Movie

Smart Auto (21 scenes detected), P, Portrait, Miniature Effect, Monochrome, Super Vivid, Poster Effect, Colour Accent, Colour Swap, Snow, Fireworks

### Drive modes

Single, Continuous, Self-Timer

### Continuous Shooting

Approx. 0.8 shots/sec.[6] (until memory card becomes full) [7]

## Recording pixels / compression

### Image Size

(L) 4608 x 3456, (M1) 3264 x 2448, (M2) 1600 x 1200, (S) 640 x 480, (W) 4608 x 2592. Resize in playback (M2, S)

### Compression

Fine

### Movies

(HD) 1280 x 720, 25 fps, (L) 640 x 480, 30 fps Miniature Effect (HD (5, 2.5, 1.25 fps) or L (6, 3, 1.5 fps))

### Movie Length

(HD) Up to 4 GB or 29 min. 59 sec. [11] (L) up to 4 GB or 1 hour [7]

## File types

### Still Image Type

JPEG compression, (Exif 2.3 [Exif Print] compliant) / Design rule for Camera File system, Digital Print Order Format [DPOF] Version 1.1 compliant

### Movies

MOV [H.264 + Linear PCM (monaural) ]

## Direct print

### Canon Printers

Canon SELPHY Compact Photo Printers and Canon Inkjet Printers supporting PictBridge (ID Photo Print, Fixed Size Print and Movie Print supported on SELPHY CP & ES printers only)

### PictBridge

Yes

## Other features

### GPS

GPS via mobile (linked to compatible smartphone)

### Red-Eye Correction

Yes, during shooting and playback

### Histogram

Yes

### Playback zoom

Approx. 2x – 10x

### Self Timer

Approx. 2 or 10 sec. or Custom

### Menu Languages

English, German, French, Dutch, Danish, Finnish, Italian, Greek, Norwegian, Portuguese, Russian, Swedish, Spanish, Ukrainian, Polish, Czech, Hungarian, Turkish, Simplified Chinese, Chinese (traditional), Japanese, Korean, Thai, Arabic, Romanian, Farsi, Hindi, Malay, Indonesian, Vietnamese

## Interface

### Computer

Hi-Speed USB (MTP, PTP) dedicated connector (Mini-B compatible)

### Other

A/V output, dedicated connector (PAL/NTSC)

### Computer/Other

Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only) [15]

## Memory card

### Type

SD, SDHC, SDXC

## Supported operating system

### PC & Macintosh

Windows 8 / 7 SP1 / Vista SP2 / XP SP3 Mac OS X v10.6 – 10.8 For Wi-Fi connection to a PC: Windows 8 / 7 SP1 Mac OS X v10.6.8 / v10.7 / v10.8.2 or later

## Software

### Browsing & Printing

ImageBrowser EX

### Other

Camera WindowPhotoStitch

## Power source

### Batteries

Rechargeable Li-ion Battery NB-11L (battery and charger supplied)

### Battery life

Approx. 220 shots [8]Eco Mode: Approx. 300 shots  
[8]Approx. 300 min. Playback

### A/C Power Supply

Optional, AC Adapter Kit ACK-DC90

## Accessories

### Cases / Straps

Soft Case DCC-520

### Flash

Canon High Power Flash HF-DC1  
Canon High Power Flash HF-DC2

### Power Supply & Battery Chargers

AC Adapter Kit ACK-DC90, Battery Charger CB-2LFE,  
Battery Charger CB-2LDE

### Other

Canon AV Cable AVC-DC400

## PHYSICAL SPECIFICATIONS

### Operating Environment

0 – 40 °C, 10 – 90% humidity

### Dimensions (WxHxD)

97.7 x 56.0 x 20.9 mm

### Weight

Approx. 125 g (including battery/batteries and memory card)

### Foot Notes

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated. Subject to change without notice.

[1] Depending on the image size selected.

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated. Subject to change without notice.

[3] Standard Output Sensitivity / Recommended Exposure Index. According to ISO 12232:2006 (20th April 2006) which specifies the method for assigning and reporting ISO speed ratings for digital still cameras.

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated. Subject to change without notice.

[6] Under conditions where the flash does not fire.[7] Depending on memory card speed / capacity / compression setting.[8] Using the batteries and memory card format supplied with the camera (where included), except where indicated.[10] Some settings limit availability.[11] The

following Speed Class memory cards are required for maximum record time: (HD) 1280 x 720 Speed Class 4 or above. (Full HD) 1920 x 1080 Speed Class 6 or above. (iFrame) 1280 x 720 Speed Class 6 or above.