



**Sales Start date:** October 2010  
**Target Market:** Personal / Home / Business

**Key Features:**

- Premium image quality in low light using HS System with 10.0 Megapixel high-sensitivity CCD
- Canon 5x (28-140mm) lens with optical Image Stabilizer and Hybrid IS
- 7.0 cm (2.8") vari-angle PureColor II VA LCD with Electronic Level, and optical viewfinder
- Full Manual control with Front Dial, ISO adjustment, RAW & DPP software
- HD Movies (720p) with stereo sound and HDMI
- High Dynamic Range mode for tackling high contrast scenes
- Smart Auto detects 28 scene types and optimises settings
- Multi-Aspect Shooting (5 settings) for composition and printing options
- Optional 58mm Lens Filter Adapter
- Accessories include Waterproof Case, Tele-Converter & Canon Speedlites

**The Benchmark**

The PowerShot G12 gives exceptional images with HS System and a premium Canon wide-angle lens. Full Manual mode, RAW, a new Front Dial and optional Lens Filter Adapter allow professional levels of control.

The PowerShot G12 is part of the Canon PowerShot digital still camera range.

The Canon PowerShot range consists of the following products:

**PowerShot G12**, PowerShot S95, PowerShot SX30 IS, PowerShot SX210 IS, PowerShot SX130 IS, PowerShot SX120 IS, PowerShot D10, PowerShot A3100 IS, PowerShot A495

Product Name	Mercury Code	EAN Code	Recommended Retail Price
PowerShot G12	4342B010AA	8714574554082	£539.00 / €649.00

**What's in the box:** Digital Camera PowerShot G12, Neck Strap NS-DC9, Battery Pack NB-7L (with Terminal Cap), Battery Charger CB-2LZE, AC Cable, AV Cable AVC-DC400ST, Interface Cable IFC-400PCU (for USB), User Manual Kit

Accessories	Mercury Code	EAN Code
Soft Case DCC-1600	0033X730	8714574558745
Filter Adapter FA-DC58B	4721B001AA	4960999676524

## Technical Specifications

<b>IMAGE SENSOR</b> Type Effective Pixels Colour Filter Type	1/1.7 type CCD Approx. 10.0M Primary Colour
<b>IMAGE PROCESSOR</b> Type	DIGIC 4 with iAPDS technology
<b>LENS</b> Focal Length Zoom Maximum f/number Construction Image Stabilisation	6.1 – 30.5 mm (35 mm equivalent: 28 – 140 mm) Optical 5x, Digital Approx. 4x (with Digital Tele-Converter Approx. 1.4x or 2.3x and Safety Zoom <sup>1)</sup> ; Combined Approx. 20x f/2.8 – f/4.5 11 elements in 9 groups (1 double-sided aspherical element) Yes (lens shift-type), 4-stop, Hybrid IS
<b>FOCUSING</b> Type AF System/ Points AF Modes AF Point Selection AF Lock AF Assist Beam Manual Focus Focus Bracketing Closest Focusing Distance	TTL AiAF (Face Detection / 9-point), 1-point AF (Any position is available, fixed centre or Face Select and Track) Single, Continuous (only available in Auto mode), Servo AF/AE <sup>2)</sup> , Tracking AF Manual selection using FlexiZone AF/AE, Size (Normal, Small) On/Off Selectable Yes Yes Yes 1 cm (W) from front of lens in macro
<b>EXPOSURE CONTROL</b> Metering modes AE Lock Exposure Compensation AEB ISO sensitivity <sup>3)</sup>	Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (centre or linked to Face Detection AF or FlexiZone AF frame) Yes +/- 2 EV in 1/3 stop increments Enhanced i-Contrast for automatic dynamic range correction ND Filter (3 stop) 1/3 – 2 EV in 1/3 stop increments AUTO, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200
<b>SHUTTER</b> Speed	1 – 1/4000 sec. (factory default) 15 – 1/4000 sec. (total range – varies by shooting mode)
<b>WHITE BALANCE</b> Type Settings	TTL Auto (including Face Detection WB), Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Flash, Underwater, Custom1, Custom2, White Balance Correction
<b>VIEWFINDER</b> Viewfinder Dioptre Correction	Real-image zoom, optical viewfinder Yes
<b>LCD MONITOR</b> Monitor Coverage Brightness	Vari-angle 7.0 cm (2.8") PureColor II VA (TFT), Approx. 461,000 dots Approx. 100% Adjustable to one of five levels, Quick-bright LCD
<b>FLASH</b> Modes Slow Sync Speed Red-Eye Reduction Flash Exposure Compensation Flash Exposure Lock Manual Power Adjustment Second Curtain Synchronisation Built-in Flash Range External Flash	Auto, Manual Flash On / Off Yes. Fastest speed 1/2000 sec. Yes +/- 2 EV in 1/3 stop increments. Face Detection FE, Safety FE. Yes 3 levels with internal flash (up to 19 levels with external EX Speedlites 270EX and 430EX II, 22 levels with 580EX II <sup>4)</sup> ) Yes 50 cm – 7.0 m (W) / 4.0 m (T) E-TTL with EX series Speedlites <sup>4)</sup> , Macro Twin Lite MT-24EX, Macro Ring Lite MR-14EX, Canon High Power Flash HF-DC1
<b>SHOOTING</b> Modes Photo Effects Drive modes Continuous Shooting	Auto*, Program AE, Shutter priority AE, Aperture priority AE, Manual, Custom (2 modes), Low Light (2.5MP), Quick Shot, SCN (Portrait, Landscape, Kids & Pets, Sports, Smart Shutter (Smile, Wink Self-Timer, FaceSelf-Timer), Super Vivid, Poster Effect, Foliage, Snow, Beach, Fireworks, Underwater, Color Accent, Color Swap, High Dynamic Range, Fish-eye Effect, Miniature Effect, Nostalgic, Stitch Assist), Movie* with Scene Detection Technology and Motion Detection Technology My Colors (My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Vivid Blue, Vivid Green, Vivid Red, Custom Color) Single, Continuous, Self-Timer Approx. 2.0 shots/sec. <sup>5)</sup> , AF: Approx. 0.7 shots/sec. <sup>5)</sup> , LV: Approx. 0.8 shots/sec. <sup>6)</sup> (until memory card becomes full) <sup>6)</sup>

<b>RECORDING PIXELS / COMPRESSION</b> Image Size	4:3 - (L & RAW) 3648 x 2736, (M1) 2816 x 2112, (M2) 1600 x 1200, (S) 640 x 480, Resize in playback (M2, S, 320 x 240) 16:9 - (L) 3648 x 2048, (M1) 2816 x 1584, (M2) 1920 x 1080, (S) 640 x 360 3:2 - (L) 3648 x 2432, (M1) 2816 x 1880, (M2) 1600 x 1064, (S) 640 x 424 1:1 - (L) 2736 x 2736, (M1) 2112 x 2112, (M2) 1200 x 1200, (S) 480 x 480 4:5 - (L) 2192 x 2736, (M1) 1696 x 2112, (M2) 960 x 1200, (S) 384 x 480 Fine Normal (HD) 1280 x 720, 24 fps, (L) 640 x 480, 30 fps, (M) 320 x 240, 30 fps Miniature Effect (HD, L) 6fps, 3fps, 1.5 fps Up to 4 GB or 29 min. 59 sec. (HD) <sup>9)</sup> Up to 4 GB or 1 hour (L, M) <sup>9)</sup>
Compression Movies Movie Length	MOV [H.264 + Linear PCM (stereo)]
<b>FILE TYPES</b> Still Image Type Movies	JPEG compression, (Exif 2.3 [Exif Print] compliant) / Design rule for Camera File system, RAW, Digital Print Order Format [DPOF] Version 1.1 compliant MOV [H.264 + Linear PCM (stereo)]
<b>DIRECT PRINT</b> Canon Printers PictBridge	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) Yes
<b>OTHER FEATURES</b> Red-Eye Correction My Camera / My Menu My Category Intelligent Orientation Sensor Histogram Playback zoom Self Timer Menu Languages	Yes, during shooting and playback Start-up image and camera sounds customisation. Menu Customisation Image tagging feature Yes Yes, live histogram Approx. 2x – 10x Custom English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Simplified Chinese, Chinese (traditional), Japanese, Russian, Portuguese, Korean, Greek, Polish, Czech, Hungarian, Turkish, Thai, Arabic, Ukrainian, Romanian, Farsi
<b>INTERFACE</b> Computer Other	Hi-Speed USB (MTP, PTP) dedicated connector (Mini-B compatible) HDMI Mini Connector (HDMI-CEC compatible) A/V output (PAL/NTSC)
<b>MEMORY CARD</b> Type	SD, SDHC, SDXC, MMC, MMCplus, HCMMCplus
<b>SUPPORTED OPERATING SYSTEM</b> PC & Macintosh	Windows 7 / Vista SP1-2 / XP SP3 Mac OS X v10.4 – 10.6
<b>SOFTWARE</b> Browsing & Printing Other Image Manipulation	ZoomBrowser EX / ImageBrowser PhotoStitch Digital Photo Professional for RAW development
<b>POWER SOURCE</b> Batteries Battery life A/C Power Supply	Rechargeable Li-ion Battery NB-7L (NB-7L battery and charger supplied) Approx. 370 shots <sup>7)</sup> Approx. 420 min. playback Optional, AC adapter kit ACK-DC50
<b>ACCESSORIES</b> Cases/Straps Waterproof / Weatherproof Case Lenses Flash Remote Controller/ Switch Power Supply & Battery Chargers Other	Soft Case DCC-660, SC-DC65A, DCC-1600 Waterproof Case (40m) WP-DC34, Waterproof Case Weight WW-DC1 Tele-converter 1.4x TC-DC58D Lens Adapter LA-DC58K Filter Adapter FA-DC58B (Compatible with Canon 58mm Filters: Circular Polarizing PL-C B, Neutral Density Filter ND4x-L & ND8x-L, Protect, UV, Softmat No.1 & 2) Canon Speedlites (including 220EX, 270EX, 430EX II, 580EX II <sup>4)</sup> ), Macro Twin Lite MT-24EX, Macro Ring Lite MR-14EX, Speedlite Transmitter ST-E2, Off-Camera Shoe Cord OC-E3, Bracket BKT-DC1, Speedlite Bracket SB-E2, High Power Flash HF-DC1 Remote Switch RS-60E3 AC Adapter Kit ACK-DC50, Battery Charger CB-2LZE Ring Accessory Kit RAK-DC2 Canon HDMI Cable HTC-100
<b>PHYSICAL SPECIFICATIONS</b> Operating Environment Dimensions (WxHxD) Weight	0 – 40 ° C, 10 – 90% humidity 112.1 x 76.2 x 48.3 mm Approx. 401 g (including battery/batteries and memory card)

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated. This Leaflet and the specifications of the product have been developed prior to the date of product launch. Specifications are subject to change without notice.™ and ©: All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers in their markets and/or countries.

- Depending on the image size selected.
- Digital zoom available for still image and standard movie modes only. Optical zoom may not be available during movie recording.
- 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.
- Not all functions of the flash are supported.
- Under conditions where the flash does not fire.
- Depending on memory card speed / capacity / compression setting.
- Using the batteries and memory card format supplied with the camera (where included), except where indicated.
- Some settings limit availability.
- The following Speed Class memory cards are required for maximum record time: 1280 x 720, 30 fps Speed Class 4 or above 1920 x 1080, 30fps Speed Class 6