

Additional Information – PowerShot SX20 IS

Printing

The PowerShot SX20 IS features a dedicated Print menu for quick access to direct print options. Full PictBridge support means users can print directly to any PictBridge compatible printer without the need for a PC. A Print button allows one-touch printing. Print list (DPOF) makes it easy to pre-order prints from your camera.

Language

The PowerShot SX20 IS features a user interface that supports 26 languages: English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Simplified Chinese, Traditional Chinese, Japanese, Russian, Portuguese, Korean, Greek, Polish, Czech, Hungarian, Turkish, Thai, Arabic, Romanian, Ukrainian and Farsi.

Memory Card Support

In addition to SD, SDHC and MMC memory cards, the PowerShot SX20 IS supports MMC*plus* and HC MMC*plus* card formats.

Software and CANON iMAGE GATEWAY¹

The PowerShot SX20 IS comes bundled with the following Canon Software:

- ZoomBrowser EX 6.4 (Windows), ImageBrowser 6.4 (Macintosh): For organising and editing images, movies and slideshows, or creating and printing digital photo albums.
- PhotoStitch 3.1 (Windows), PhotoStitch 3.2 (Mac): For creating panoramic photos from multiple images.

The bundled software supports Windows Vista (including SP1 and SP2) / XP SP2-3 and Macintosh OS X v10.4-10.5. The camera supports PTP for driverless transfer to Windows XP and Macintosh OS X, along with MTP for image and movie transfers to Windows Vista.

Owners of the PowerShot SX20 IS are eligible for free membership of CANON iMAGE GATEWAY, an online photo sharing service. Users can take advantage of great new features like the increase in storage capacity to 2GB in October, allowing the upload and sharing of hundreds of high-quality images. Friends and family can also enjoy viewing your online photo albums from their mobile phones with the new mobile phone browsing feature.

¹ CANON iMAGE GATEWAY is not available in all European countries. Please see www.cig.canon-europe.com for available countries. Movie upload requires users to download and install the movie upload task, available after registration.

Optional Accessories

The following accessories are available for the PowerShot SX20 IS :

- Soft Case DCC- 800
- Canon Speedlites (Including 270EX, 430EX II, 580EX, 580EXII, Speedlite Transmitter ST-E2, Off-Camera Shoe Cord OC-E3)
- High Power Flash HF-DC1
- Compact AC power adapter CA-PS700
- Battery Charger Kit CBK4-300
- Ni-MH Batteries NB4-300
- Canon HDMI Cable HTC-100

Technologies Explained

DIGIC 4

Canon's DIGIC 4 (Digital Imaging Core) image processor manages all of the camera's primary functions to optimize operating efficiency. Advanced image processing algorithms deliver superb image detail and colour reproduction with accurate white balance. High-speed processing results in outstanding responsiveness, rapid auto focus and extended continuous shooting ability.

DIGIC 4 also powers advanced Noise Reduction Technology within i-Contrast, Face Detection AF/AE/FE/WB and Scene Detection Technology.

Smart Auto Mode with Scene Detection Technology

Available in Smart Auto mode, Canon's Scene Detection Technology analyses the shooting scene by taking into account subject brightness, contrast, distance, overall hue and now face movement. The optimum settings are then automatically selected for each scene from a choice of 22 possible variables. A colour icon indicating the type of scene detected – and the lighting conditions of the scene - is shown on the LCD monitor.

Smart Auto mode gives users the reassurance that the camera will take care of settings and deliver great results - even when shooting moving subjects, backlit scenes, night shots, sunsets, and shots taken at very close range. Smart Auto mode also increases image dynamic range to reduce highlight blow-out when shooting bright scenes, reduces dynamic range to improve contrast in low-contrast scenes, and automatically enhances blue saturation for blue skies.

Servo AF/AE

Servo AF/AE ensures that the subject is always in focus and in a good exposure giving a much better success rate for photos of moving subjects. Servo AF continuously adjusts focus on the subject while the shutter is held halfway, which in conjunction with Face Detection is even more effective, whilst Servo AE continuously adjusts the exposure for the subject.

Optical Image Stabilizer

The PowerShot SX20 IS uses a lens shift-type Image Stabilizer (IS) system to detect and correct slight camera shakes that can cause image blur. The IS delivers a 4 stop advantage for improved performance in low-light conditions, when shooting at the telephoto end of the lens and when vibrations are more severe. It also features increased sensitivity to low frequency vibration, such as the rocking of a boat. Minute

vibration gyros detect camera movement caused by hand shake. These signals – at 8,000 per second, twice the speed of signals in conventional IS – are processed by a single-chip IS controller, which discriminates between hand shake and intentional camera movements. Shake signals are sent to the IS unit, which moves one of the lens elements accordingly to re-align the light rays and cancel out the effects of shake.

For improved accuracy and responsiveness, the moving lens element is supported on tiny ceramic spheres. In addition to minimising friction, ceramic spheres avoid some of the problems that can affect metal systems, such as thermal expansion and magnetism.

Face Detection AF/AE/FE/WB, Face Select & Track and FaceSelf-Timer

Canon's Face Detection AF/AE/FE/WB system automatically detects up to 35 faces within a frame before adjusting focus, exposure, flash and white balance to ensure optimal results. It is able to determine which faces are intended to be the subject, instantly reverting to the partnering AF system if no face is the primary subject. Face Detection can now detect faces on most angles, and now incorporates Blink Detection technology, which alerts the user to portrait shots in which a subject's eyes are closed. Face Select & Track allows the user to select a particular face to be the main subject of a photograph and track it, for the best possible results. FaceSelf-Timer allows easy group shots by automatically triggering the shutter shortly after a new face has entered the frame.

Enhanced i-Contrast

The improved Intelligent Contrast Correction technology (i-Contrast) now includes dynamic range expansion. Available in either shooting or playback mode, i-Contrast function analyses the exposure, dynamic range and other image characteristics of a shot, then adaptively increases the gain in dark areas – to produce heightened detail in darker regions, without blowing out correctly-exposed parts of the image. The noise reduction function of DIGIC 4 ensures minimal noise in adjusted areas.

HD Movies (720p, 30fps)

Users of the PowerShot SX20 IS can shoot long, high-quality movie clips with stereo sound. Users can automatically achieve accurate focus and exposure of their subject with AE, AF, AWB. Face Detection AF/ AE ensures focus ensures moving images are perfectly captured even when the subject is moving forwards or backwards, or if the subject face moves.