

PowerShot A570

Imaging Sensor

Resolution	Approx. 7.1 million pixels
Recording pixels	3072 x 2304
Sensor type	Interline Transfer CCD
Sensor size	1/2.5-inch type
Lens	
Focal length	5.8 – 23.2mm (equivalent to 35–140mm, in 35mm format)
Image Stabilizer	Yes, Lens shift type
Zoom ratio	4x (optical) / 4x (digital)
Lens construction	7 elements in 5 groups (two aspheric lens elements)
Maximum Aperture	f/2.6 (W) — f/5.5 (T)
Aperture Type	Iris; can be user set in 1/3 stop increments
Built-in neutral Density filter	None
Closest focusing distance	Wide/Tele — 1.5 feet Wide Macro — 2 inches Tele Macro — 1 foot
Autofocus	AiAF (Face Detect / 9-point); Single AF point (Center of frame)
Manual focus	Yes, New Safety MF to perform fine tune adjustments when using manual focus
Accessory conversion lenses	Yes, WC-DC52 (0.7x wide), and TC-DC52A (1.75x tele). Requires Lens Adapter LA-DC52G. Wide angle equivalent focal length: 24.5mm, Tele equivalent focal length: 245mm

Image Recording

JPEG image recording	8-bit JPEG; Three compression settings (“Super-Fine”, “Fine”, and “Normal”)
RAW file recording	none
Data recording format	DCF (Design rule for Camera Filing system); DPOF ver. 1.1 (Digital Print Order Format) EXIF 2.2 compatible
Reduced resolution options	3072 x 1728 (Widescreen); 2592 x 1944; 2048 x 1536; 1600 x 1200; 640 x 480
Sound memos for still images	Up to 60 second sound file can be recorded for each picture during playback
Storage media	SD memory cards, SDHC memory card and MultiMedia memory cards
Format function	Normal and low level format
Color space	sRGB only

Shooting Controls

Shooting modes	Auto, Program, Shutter Priority, Aperture Priority, Manual, Portrait, Landscape, Night Snapshot, Kids & Pets, Indoor, Stitch Assist, and Movie • Special Scene Modes — Night Scene, Foliage, Snow, Beach, Fireworks, Aquarium and Underwater
“My Colors” mode	My Colors Off, Vivid, Neutral, Sepia, Black & White, Custom Color
Noise reduction	Available when shutter speed is set between 15 and 1.3 sec.
White Balance	Auto, Pre-set White Balance (daylight, cloudy, tungsten, fluorescent, fluorescent H, underwater), Custom setting (read and set WB off of white object or neutral gray object)
Self-timer	2-second delay, 10-second delay, and Custom Timer • Custom Timer: user can set delay 0 ~ 10, 15, 20 or 30 seconds, and number of shots from 1 thru 10 (camera takes shots continuously after pre-set delay)

PowerShot A570 specifications (continued)

Exposure

Metering

Evaluative, Center-weighted average, Spot (spot metering at center)
 • Evaluative metering incorporates face brightness when using Face Detect AF

Exposure compensation

$\pm\frac{1}{2}$ up to 2 stops, $\frac{1}{3}$ -stop increments

Auto exposure bracketing

None

ISO sensitivity

Auto, High ISO Auto, 80, 100, 200, 400, 800, 1600 (user-set)
 • In Auto and High ISO Auto, the camera automatically sets the optimal speed according to subject brightness (High ISO Auto — maximum setting is ISO 800)

Shutter speed range

15 seconds ~ $\frac{1}{2000}$ sec.

Viewfinder and LCD

LCD monitor

Large 2.5-inch (diagonal) LCD monitor
 • Resolution: approx. 115,000 pixels; 100% coverage of actual image
 • Horizontal and vertical grid lines display option
 • Night Display available

Eye-level viewfinder

Optical real-image zoom viewfinder

Special playback features

- Enlarged playback (2x ~ 10x) with free scrolling to any part of image
- Advance or reverse through magnified images is available
- Image is automatically rotated when camera is in either vertical or horizontal orientation
- Jump 10 images, Jump 100 images, Jump shot date, Jump to movie and Jump to folder
- Slide Show: Playback interval 2-10 sec., 15 sec., 30 sec.

Histogram

Available only in playback mode

Performance

Imaging processor

DIGIC III Imaging Processor

Continuous shooting speed

Approx. 1.7 shots per second
 • Continuous shooting until card is full is possible with a high speed SD card

Camera start-up time

- Shooting mode — 1.6 sec. (with flash turned off and LCD monitor on)
- Playback mode — 1.2 sec. (with flash turned off and LCD monitor off)

Movie Mode

Resolution

Standard, Color Accent, Color Swap:
 • 640 x 480 at 30/15 fps (VGA: up to 60 minutes or 4GB per movie clip)
 • 320 x 240 at 30/15 fps (QVGA: up to 60 minutes or 4GB per movie clip)

Fast Frame Rate:

- 320 x 240 at 60 fps (QVGA: up to 1 minute per movie clip)

Compact:

- 160 x 120 at 15 fps (QQVGA: up to 3 minutes per movie clip)

Features during movie recording

- 4.0x Digital zoom (optical zoom not possible)
- Continuous auto exposure and white balance

Movie playback

On camera's LCD monitor (with sound); Standard TV monitor using video-out cord; or within Macintosh or Windows PC using Apple QuickTime™ software
 • View first frame, previous frame, next frame, and last frame
 • Fast forward, fast rewind, and slow motion (five different slow-motion speeds available in addition to standard playback speed)
 • No audio during slow-motion playback

PowerShot A570 specifications (continued)

Flash

Flash modes	Automatic firing; Flash On; Flash Off
Maximum distance	11 ft (W) / 7.2 ft (T)
Macro flash	1.0 - 1.5 ft (W/T)
Flash sync speeds	1/500 sec. (maximum synchronized shutter speed)
Compatible accessory Speedlites	None; compatible with Canon High-Power HF-DC1 flash

Computer Interface

Direct-connection to computer	USB; via dedicated Canon USB cable IFC-400PCU (supplied with camera) • USB speed: 2.0 Hi-speed
Communication settings	PTP and MTP (Media Transfer Protocol— new Windows Vista operating system)
Computer Controlled Shooting	Not available
Video Out to TV monitor	Yes, via Audio/Video cable AVC-DC300 (NTSC or PAL; selectable on camera's menu)

Direct Printing

Compatible printers	Canon Compact Photo printers — prints directly to Canon CP and SELPHY printers Canon inkjet printers — prints directly to compatible Direct-print Canon printers Third-party inkjet printers — prints directly to PictBridge-compatible printers
Printing features	Print with shooting data, image optimizer (face brightener), ID Photo print, Single frame Movie print (print movie sequence possible on CP printer)
Print/Share button	Yes

Battery and Power

Type	2 AA Alkaline batteries, or 2 optional AA rechargeable NiMH batteries (NB-3AH)
Recording capacity	• LCD monitor on — Approx. 120 shots (alkaline, CIPA standard) • LCD monitor on — Approx. 400 shots (NiMH, CIPA standard) • LCD monitor off — Approx. 400 shots (alkaline, Canon testing method) • LCD monitor off — Approx. 900 shots (NiMH, Canon testing method)
LCD playback time	Approx. 9 hours for alkaline type, Approx. 11 hours NiMH type
AC adapter	(optional) AC Adapter Kit (ACK-800)

Body & Dimensions

Dimensions (W x H x D)	3.5 x 2.5 x 1.7 inches (89.5 x 64.3 x 42.8mm), excluding protrusions
Weight (w/o battery or SD card)	6.17 oz. (175g)

Other

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