

PowerShot A400 Digital Camera

Canon

advanced simplicity®

DiGiC



Exif Print



The easy way to capture great shots, in style.

Canon

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Canon Camera Museum

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PowerShot
DIGITAL CAMERA

PowerShot A400 Digital Camera

THE PERFECT DIGITAL CAMERA FOR FIRST TIME USERS

The PowerShot A400 offers the perfect combination for first time digital camera users – easy to use features and excellent image quality. With the PowerShot A400, you learn as you go, and have fun all the way. See how easy it is to print photos straight from your camera; instantly review your shots and experiment with image editing software. With its sleek capsule design the PowerShot A400 looks great too.

ADVANCED LENS, SENSOR AND PROCESSOR TECHNOLOGY

- Features a Canon 2.2x optical zoom lens, enabling you to get closer to your subject (35mm equivalent: 45–100mm).
- Ensures sharp images with its bright Canon f/3.8 lens.
- Includes digital zoom, so you can zoom in even further.
- Shoots as close as 5cm in Macro mode.



CANON'S FORMULA FOR AMAZING DIGITAL PHOTOS

High-performance
Canon lens +

CCD +

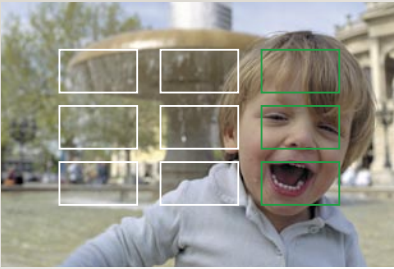
DiGiC
high-performance
image processing



- Captures crisp images via its 3.2 Megapixel CCD, producing sharp photo prints up to A4 size.
- Features the DiGiC Image Processor, unique to Canon, which delivers exceptionally high picture quality, focusing accuracy and processing speed. It also provides longer battery life and fast continuous shooting.

9-POINT AiAF

Widens the focusing area ensuring even off-centre subjects are perfectly focused.



INTELLIGENT ORIENTATION SENSOR

Automatically detects whether the camera is positioned horizontally or vertically at the time of shooting. This ensures images are properly orientated when reviewed on the camera's LCD screen or a computer monitor.



QUICK SHOT FUNCTION

Shortens the time delay between the shutter button being pressed and the shutter being released, so you won't miss a shot.

MOVIE MODE

Create fun 3 minute movie clips with sound.



SPECIAL SCENE MODES

Simply select the desired pre-set scene setting. Choose from:



■ **Portrait** – Ensures your subject is sharply focused and the background beautifully blurred.



■ **Foliage** – Captures brilliant shots of autumn foliage or greenery.



■ **Night Scene** – Makes a challenging situation easy by properly illuminating both subject and background.



■ **Snow** – Shoots clear snow scenes without darkened subjects and bluish tint.



■ **Underwater** – Optimises white balance for underwater photography, minimising blue tint for more natural colours.



■ **Fireworks** – Allows for great shots of skyrocketing fireworks.



■ **Indoor** – Reduces blur and improves colour accuracy when shooting hand-held indoors with typical room lighting.



■ **Beach** – Lets you get clear shots of people at a sunny beach without darkened faces.

CANON DIRECT PRINT

Who needs a computer to print instant outstanding photos? Just plug your PowerShot A400 into any Canon Compact Photo printer or Bubble Jet Direct Photo printer, press the Print/Share button* and your photo will be ready in minutes. Simple!



The PowerShot A400 also connects directly to any PictBridge compatible photo printer.

■ **Print/Share Button*** – Send images to print or download them onto your computer with the touch of a button.



■ **ID Photo Print** – Crop images to print ID/passport size photos from Canon Compact Photo printers.



■ **Movie Print** – Print a series of sequential stills from your movie on a single sheet of paper using Canon Compact Photo printers.



■ **Postcard Date Imprint Mode** – This handy feature lets you include the date on your photos.



USER-FRIENDLY SOFTWARE

■ **ZoomBrowser EX** – Downloads your shots so they can be stored, emailed or selected for printing. Just connect your PowerShot A400 to your computer, and ZoomBrowser EX will automatically launch.



■ **PhotoRecord** – Helps you create photo album pages, complete with captions and graphics, which can be printed and bound into a personalised album to share with family or friends.



■ **PhotoStitch** – Automatically 'stitches' together a series of shots to create a seamless panoramic image – particularly effective when used in conjunction with the camera's Stitch Assist mode.



A RANGE OF OPTIONAL ACCESSORIES

■ **All Weather Case AW-DC20** – Waterproof down to a 3-metre depth.



■ **Battery & Charger Kit CBK4-200** – AA-size rechargeable batteries and charger.



■ **AC Adaptor Kit ACK-800** – Allows connection to AC power, recommended during downloading and direct printing.



■ **Metallic Neck Strap**



■ **Soft Case SC-PS900**



PowerShot A400 Specifications

CCD	
Size	1/3.2 inch
Effective Number of Pixels	Approx. 3.2 MP
Total Number of Pixels	Approx. 3.3 MP
Filter Array	Primary colour filter (Bayer)
IMAGE PROCESSOR	
Processor	DiGiC
LENS	
Focal Length (optical)	5.9 (W) – 13.2 (T) mm
35mm Film Equivalent	45 (W) – 100 (T) mm
Maximum Aperture	f/3.8 (W/T)
Construction	9 elements in 7 groups
Optical Zoom	Approx. 2.2x
Digital Zoom	Approx. 3.2x
Max Combined Zoom	Approx. 7x
Focusing Method	TTL Autofocus 9-point AiAF / 1-point AF* *Focusing frame is centre fixed
FOCUSING RANGE	
Normal	47cm–infinity
Macro	5–47cm (W), 30–47cm (T)
CONTROL / BALANCE	
Light Metering Method	Evaluative, Centre-weighted average, Spot *Metering frame with Spot mode is center fixed
Exposure Control Method	Program AE
Exposure Compensation	± 2 stops in 1/3-stop increments
White Balance Control	TTL White Balance
White Balance Modes	Auto, Pre-set (Daylight / Cloudy / Tungsten / Fluorescent / Fluorescent H), Custom
Shutter Speed	1–1/1500 sec.
Sensitivity (Equivalent Film Speed)	Auto / ISO 50 / 100 / 200 / 400 equivalent
LCD MONITOR / VIEWFINDER	
Viewfinder	Real-image optical zoom viewfinder
LCD Monitor	1.5 inch Low-temperature polycrystalline silicon TFT colour LCD
FLASH	
Flash Modes	Auto*, On*, Off *Red-eye Reduction is available
Flash Range (at ISO equivalent)	47cm–2.0m (W/T), 30–47cm (Macro) Auto
SELECTABLE SHOOTING MODES	
Shooting Modes	Auto, Manual, Stitch Assist, Movie Special Scene modes: Portrait, Night Scene, Foliage, Snow, Beach, Fireworks, Underwater, Indoor
Photo Effects Mode	Vivid, Neutral, Low sharpening, Sepia, Black & White
CONTINUOUS SHOOTING	
Normal	Approx. 1.3 shots / sec (shooting speed can be maintained up to 12 images)
[Large / Fine mode, when LCD monitor is turned off]	
IMAGE RECORDING FORMAT	
Image File Format	Design rule for camera file system, DPOF Version 1.1 compliant
Still Image	JPEG (Exif 2.2 compliant)
Movie	AVI Image data: Motion JPEG
Sound Annotation / Audio Data	WAVE (monaural)
JPEG Compression Levels	Superfine / Fine / Normal

All data is based on Canon's standard testing methods.

Canon reserves the right to change specifications without notice.

*Compatible printer required for Direct Printing. Compatible Windows computer required for direct download.

RECORDING PIXELS – STILL IMAGES	
Large	2048 x 1536
Medium 1	1600 x 1200
Medium 2	1024 x 768
Small	640 x 480
Postcard Date Imprint	1600 x 1200, compression is set to Fine
RECORDING PIXELS – MOVIE IMAGES	
Large (VGA)	640 x 480 10 fps
Medium (QVGA)	320 x 240 15 fps
Small (QQVGA)	160 x 120 15 fps
Frames Per Second	10 or 15 depending on resolution
OTHER OPERATIONS	
Playback Operations	Single / Index (9 thumbnail images) / Slide Show / Movie Special Replay – Next frame, Previous frame, Fast forward, Rewind, First frame and Last frame / Magnify (2x–10x) / auto vertical and horizontal image orientation with Intelligent Orientation Sensor / still histogram display.
File Operations	DPOF – Print Order / Image transfer, Movie – unnecessary scenes can be erased Sound Annotations – max. record/play time is approx. 60 sec.
Direct Printing	Yes
PictBridge	Yes
Print / Share Button	Yes
ID Photo Print	Yes (with compatible Canon Compact Photo printers)
Movie Print	Yes (with compatible Canon Compact Photo printers)
Camera Settings	Start-up image / Start-up sound / Shutter sound / Operation sound / Self-timer sound
Menu Languages	14 languages (English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, simplified Chinese, Russian, Portuguese and Japanese) Approx. 2 sec. or 10 sec. count-down
Self-timer	Approx. 2 sec. or 10 sec. count-down
INTERFACE	
Computer I / F	USB
Video Output	PAL or NTSC selectable
Audio Output	Monaural
Memory Storage	SD Memory Card
Supplied Memory	16MB
SUPPORTED OPERATING SYSTEMS	
PC	Windows® 98 (including SE) / ME / 2000 / XP
Mac	OS 9.0–9.2, OS X (Version 10.1 / 10.2 / 10.3)
POWER SOURCE	
Battery	AA Alkaline battery (x2) or AA rechargeable NiMH battery (x2) (NB–2AH is recommended)
Optional Charger / AC Adaptor	CBK4–200 / AC Adaptor Kit ACK–800 (contains CA–PS800)
DIMENSIONS / WEIGHT	
Temperature	0–40°C
Humidity	10–90%
Dimensions (W x H x D)	107 x 53.4 x 36.8mm (excluding protrusions)
Weight	Approx. 165g (camera body only)
INCLUDED ACCESSORIES AND SOFTWARE	
– Wrist Strap WS–200, 2 x AA Alkaline Batteries, 16MB SD Memory Card, AV Cable AVC–DC300, USB Interface Cable IFC–400PCU, Camera User Guide, Software Starter Guide, Quick Start Guide, Direct Print Guide.	
– Canon Digital Camera Solution Disc	
– ArcSoft Camera Suite Disc	

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