

HP Photosmart R817 Digital Camera with HP Instant Share

Datasheet



Get closer than comparably priced 3x cameras, with 5x optical zoom (40x total, 8x digital)—up to 70 percent more zoom than 3x lenses. Take exceptional photos at 5 MP resolution that make beautiful prints and enlargements. This stylishly small camera is made with durable stainless steel and fits easily in your pocket. View photos and menus easily on a bright, 2-inch image display.

Exclusive HP Real Life technologies provide the easiest path to brilliant photos. Remove red-eye in the camera, get photo-taking tips, and automatically bring out details normally lost in shadows. Stitch and preview panorama shots right on the camera, and save high-quality VGA video stills to print. Easily take better photos in a variety of settings using 15 optimized shooting modes, including action, sunset and more. Express your creativity using the ultimate in robust manual controls. Get sharp focus for the best shot automatically with multi-zone focus.

Get 5x optical zoom and HP-exclusive technology packed into a stylishly small, 5 MP camera.



Big zoom, exceptional photos

Use 5x optical zoom and get closer than comparably priced 3x cameras.

- Take crisp shots at 5x optical zoom, and get closer than comparably priced 3x cameras.
- Snap photos at 5 MP resolution that make exceptional prints and enlargements up to poster-size.
- E-mail photos—without attachments—using HP Instant Share, and edit using HP Image Zone software.

Stylish, ultra-compact design

This stylishly small, stainless steel camera fits easily into a pocket or purse.

- This stylish, ultra-compact camera—made of durable stainless steel—fits easily in a pocket or purse.
- Clearly frame and view photos, menus and more—indoors or out—on a bright, 2-inch image display.
- Easily connect to a PC and recharge an included LiON in-camera battery, using a matching cradle.
- Increase the camera's 32 MB internal memory with optional memory cards.*

Brilliant photos the easy way

HP Real Life technologies make it easy to take brilliant digital photos.

- Remove red-eye in the camera, and learn how to take better photos with help from HP Image Advice.
- Automatically bring out details normally lost in shadows with HP adaptive lighting technology.
- Take up to five photos, see a preview of the panorama shot, stitch the photo in-camera and save.
- Shoot high-quality VGA video with audio at 30 frames per second, then save stills for printing.

Take control

Do more with optimized shooting modes, robust manual controls and accessories.

- Get the best photos, using 15 optimized shooting modes, multi-zone focus and burst mode.
- Add creative touches with robust manual controls, or customize settings to save as your own mode.
- Print PC-free, using optional memory cards* or to any compatible PictBridge printer.
- Choose from a wide variety of optional accessories—dock, cases, quick recharge kits and more.*

*Not included; please purchase separately.

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Technical specifications

HP Real Life Technologies	HP Adaptive Lighting and Adaptive Lighting Bracketing, HP In-Camera Red-Eye Removal, HP In-Camera Panorama Preview and Stitching, HP Image Advice, HP Noise Filter, HP Adaptive Demosaic, HP Vignetting, HP Preferred Photo Reproduction
Manual Controls	EV compensation, image quality, video quality, white balance, auto focus area, ISO speed, AE metering, color, saturation, sharpness, contrast, AE bracketing, color bracketing
Photo Resolution	5.1 MP; 2616 x 1960 pixels
Bit depth	36 bit
CCD Image Sensor	1/2.5 inch CCD; 2668 x 1970 total pixels; 2616 x 1960 effective pixels
Photo Storage (internal memory)	32 MB
Still Image Capacity	Best: 9 images; 2.4 MB file size; 2592 x 1936 resolution; Better: 14 images; 1.7 MB file size; 2592 x 1936 resolution; Good: 21 images; 1 MB file size; 2048 x 1536 resolution
Memory Card Compatibility	SecureDigital (SD), MultiMediaCard (MMC); Memory per slot (maximum): 2 GB
View Finder	None
Lens System	Pentax lens, 40x total zoom (5x optical, 8x digital), 5.8 to 29 mm focal length, approximately 36 to 180 mm (35 mm equivalent), f2.8 to f8 m (wide), f4.7 to f7.6 m (telephoto)
Digital Focal Distance	Approximately 0.5 m to infinity (wide), 0.6 m to infinity (telephoto), 0.12 - 1.0 m (macro wide), 0.03 - 0.2 m (super macro)
Zoom Capability	40x (5x optical, 8x digital)
Shutter Speed	15 to 1/2000 sec
Exposure	Rating: Auto (default), ISO 50, 100, 200, 400; Type: Manual, automatic; Control: Auto (default), aperture priority, shutter priority, full manual, center weighted auto exposure metering (AE) (default), spot auto exposure metering (AE), average auto exposure metering (AE); Correction: +/- 3.0 EV in 1/3 steps
Aperture	Setting: Manual and automatic; Range: f2.8 to f8 (wide), f4.7 to f7.6 (telephoto)
Flash	Availability: Built-in; Functions: Auto (default), Red-eye reduction, Flash on, Flash off, Night; Working Distance: 12.5 ft wide, 6.9 ft telephoto; 3.8 m wide, 2.1 m telephoto
Capture Mode	Auto, Landscape, Portrait, Theatre, Panorama Right, Panorama Left, Action, Beach, Snow, Sunset, Document, Aperture Priority, Shutter Priority, Manual Mode, My Mode
Burst Rate	2 frames/sec, 4 pictures maximum
Self Timer Wait Time	10 sec
Shutter Setting	Manual and automatic; Shutter lag: 0.44
Shooting Modes	Normal (default), Self-timer, Self-timer (2 shots), Burst, Video
Focus Capability	Normal, macro, super macro, infinity, manual focus, multi-zone or spot focus control
Image Control Functions	Off, date only, date and time
Output File Format	JPEG (EXIF 2.2) for still images; MPEG-1 for video clips; Image compression: JPEG
Metering	TTL (through-the-lens)
Sound Capture	Yes, limited by available memory*
Video	Format: MPEG-1; Resolution: QVGA 320 x 240; Max length: limited to the size of the memory card or internal memory; Frame rate: 30 fps
LCD Display Specifications	5.08 cm (2.0 in) LCD display; 640 x 240 = 153600 dots (diagonal display size)
Control Panel	Top of camera: 3 buttons (Mode, Shutter, video); back of camera: 8 buttons (Flash mode, Macro/Manual focus, Self-timer/Burst, Live View/Playback, Menu/OK, Navigation, Zoom, Power)
Standard Connectivity	1 USB; External IO ports: Camera: 1 cradle connector; cradle: 1 camera port, 1 USB port, 1 DC input connector; Optional connectivity: HP Photosmart C8887A camera dock with USB Mini AB connector, DC input connector, and A/V connector
Direct Print Supported	Yes (any Pictbridge-enabled printer or all-in-one; does not apply to stitched panorama images or video)

*Audio limit applies to audio with still image capture. Audio with video capture is limited to the size of the memory card or internal memory.

Compatible Operating System

Microsoft® Windows® 98, 98 SE, Me, 2000, XP Home and Professional; Macintosh OS X v 10.2.x and later

Minimum System Requirements

PC: USB-compatible PC with Microsoft Windows 98, 98 SE, Me; Pentium II (233 minimum) and equivalent Celeron or compatible, 64 MB RAM, 200 MB disk space; Windows 2000, XP Home and Professional Editions: Pentium II (233 minimum) and equivalent Celeron or compatible, 128 MB RAM, 400 MB disk space; SVGA monitor (800 x 600, 16-bit color), CD-ROM drive, Internet Explorer 5.01 with Service Pack 2 or later, open USB port compatible with USB 2.0 specifications; **Macintosh:** Macintosh computer with built-in USB, 128 MB of physical RAM, Mac OS X v 10.2 and later, 250 MB disk space required to install

PC Requirements (recommended)

Pentium 4 or faster, 256 MB RAM, sound card, Internet access with Internet Explorer 6 or higher, Acrobat Reader 5 or higher, 1024 x 768, 24-bit color, 2 GB of disk space

Dimensions (w x d x h)

3.58 x 1.17 x 2.24 in (91 x 29.8 x 57 mm) excluding protrusions; 3.73 x 2.3 x 2.37 in (94.7 x 58.4 x 60.2 mm) with lens extended

Weight

0.36 lb (0.16 kg) without batteries, 0.42 lb (0.19 kg) with batteries

Temperature

Storage range: -22 to 149° F (-30 to 65° C); **Maximum operating:** 32 to 122° F (0 to 50° C)

Humidity Recommended Operating Range

15 to 85% RH

Power Features Description

Universal AC power adapter: 100- to 240-VAC (50/60-Hz) input; 3.3-V DC, 2500-mA output

Power Supply Source

1 lithium ion rechargeable battery, AC adapter with cradle

Battery Life

260 shots (maximum), 115 shots (minimum), 200 shots (average)

Warranty

One-year limited warranty backed by HP's 24-hour, 7-days-a-week Customer Care, service and support; HP Customer Care, including 24-hour web support at www.hp.com/go/support

Dimensions (US)

3.58 x 1.17 x 2.24 in (excluding protrusions)

Product Dimensions (maximum)

3.58 x 2.30 x 2.24 in (with lens extended, excluding protrusions)

Product Number: L2031A

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For more information visit our website at www.hp.com

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Ordering Information

Ordering Information	Part Number
HP Photosmart R817 Digital Camera with HP Instant Share	L2031A
HP Photosmart R817xi Digital Camera with HP Instant Share	L2034A
Accessories	
HP Photosmart R-series dock	C8887
HP Photosmart 3.3V AC adapter	C8912B
HP Photosmart Quick Recharge Kit for HP R-series cameras	L1810
HP Photosmart R07 rechargeable lithium-ion battery for HP R-series cameras	L1812
HP Photosmart R-series Weather-Resistant Jacket	Q6215A
HP Photosmart Black Sport Camera Case	Q6216A
HP Photosmart Scuba/Underwater Camera Case	Q6218A
HP Photosmart Premium Case for HP R-series Cameras	L1811A
1 GB Secure Digital Cards	L1876A
512 MB Secure Digital Cards	L1875A
256 MB Secure Digital Cards	L1874A
128 MB Secure Digital Cards	L1873A
64 MB Secure Digital Cards	L1872A

Ordering information

What's in the box?

- HP Photosmart R817 Digital Camera with HP Instant Share
- HP Photosmart 3.3V AC adapter
- Cradle
- HP Photosmart R07 rechargeable lithium-ion battery
- USB cable for connecting cradle to PC or PictBridge compatible printer
- Warranty and regulatory brochure
- User's manual
- Quick start guide
- CD with HP Image Zone software for Microsoft Windows and Macintosh; American Greetings Create and Print Greeting Cards software (English only, Windows only)
- Wrist strap



Product Number: L2031A

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