



EPSON[®]

Epson
Rangefinder **R-D1**

The world's first rangefinder digital camera



You're serious about photography. We're passionate about image quality. Scanning, printing and projection – digital image processing is at the heart of Epson. It's why we continue to push the boundaries of creative possibilities.

The Epson Rangefinder R-D1, the world's first rangefinder digital camera, is where photographic tradition meets the digital culture. It is a camera to rekindle your love of photography.

Craftsmanship

The Epson Rangefinder R-D1 reflects the exquisite craftsmanship of a world-class collaboration. The optical expertise of Cosina and the peerless engineering of the Seiko Epson Corporation have been brought together to create a camera in which attention to detail and image quality are paramount. The Epson Rangefinder R-D1 combines digital technology with classic rangefinder design to meet the demands of today's most discerning photographers.

Respect for tradition

Epson know that a camera should be an instinctive tool, so the Epson Rangefinder R-D1 is designed to be instantly familiar. With manual reset of the mechanical shutter's 'film winder' and all the creative control of a fully manual camera, the Epson Rangefinder R-D1 supports most* existing M and L mount lenses. The whole rangefinder experience is there: immediate, unobtrusive and quiet.

Pure photography

Epson have taken the best of digital technology and seamlessly integrated it into the rangefinder tradition. The all-metal Epson Rangefinder R-D1 body incorporates a bright 1.0x viewfinder, so you can compose your image free of distortion or dimming, even in low light. ISO settings range from 200 to 1600, with shutter speeds from 1 second to 1/2000 second.

The camera incorporates full manual and aperture priority auto exposure modes, analogue dials and a hot shoe with X-Sync for external flash. Images can be viewed on a bright 2 inch LCD screen. You can switch between colour and monochrome exposures, change ISO settings shot-by-shot, apply tints, and change saturation instantly to match your photographic style and needs. This camera gives a feeling of creative power and control.

Digital imaging excellence

Epson digital image processing technology works in harmony with the lens to realise your photographic intent. The Epson Rangefinder R-D1 incorporates a large CCD image sensor to accurately record light information from the lens.

Epson Digital Image ARTist (EDIART) is the unique image processing technology that takes optical information from the camera lens to the CCD and processes it into an image file.

A RAW image file can be further processed and developed with the supplied PhotoRAW “digital darkroom” software, which is ideal for working on images captured in challenging lighting conditions – exposure compensation, colour temperature adjustment and even black and white images with filter variations can all be easily applied before final image development.

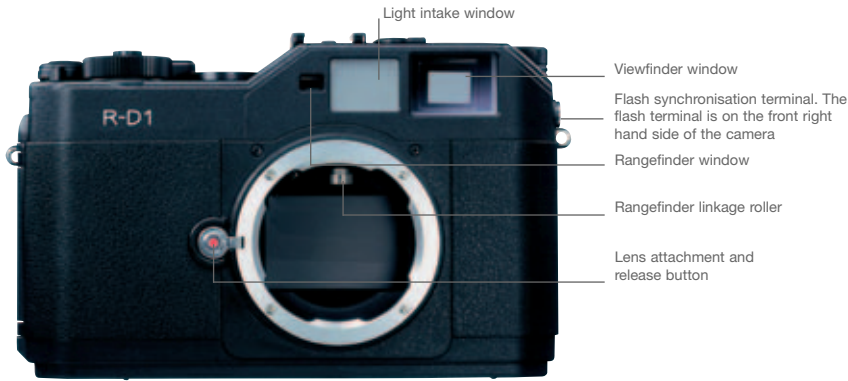
Key features

- World’s first rangefinder digital camera
- 1.0x viewfinder – to view subject as though looking with your naked eye
- 6.1 MegaPixel CCD, capturing images in JPEG or RAW format
- Lens compatibility with most new and existing M & L mount lenses*
- Full manual and aperture priority exposure modes
- 2” LCD for image review
- Lithium-Ion battery with low power consumption
- Advanced image processing technology
- Shutter speeds from 1 sec – 1/2000 sec
- ISO settings from 200 – 1600
- Pictures saved to removable SD memory card

*Please refer to the specification page for full details



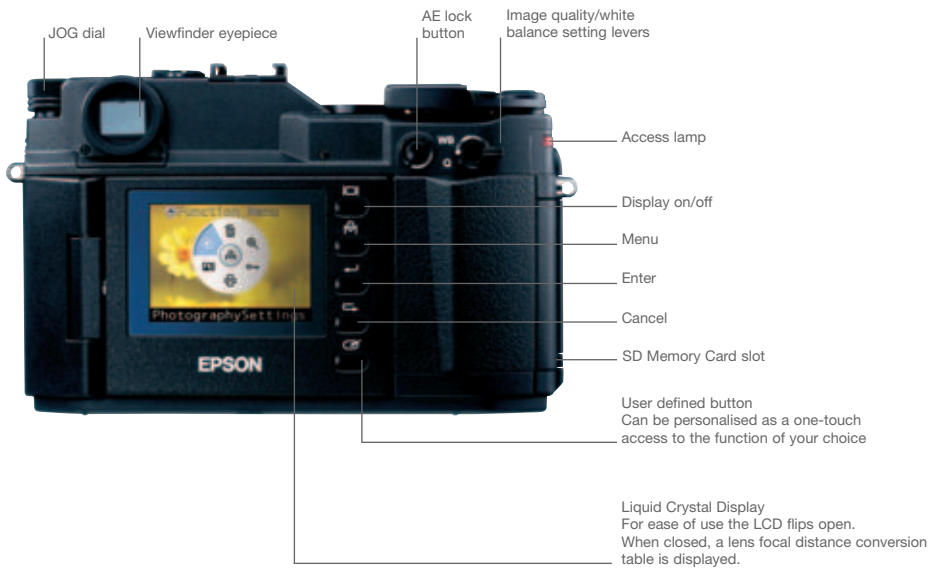
Front



Analogue dials

These are conveniently placed on the top of the camera to allow you to check important photographic settings easily without using the LCD. The analogue indicators display white balance setting, number of frames remaining, battery life and image quality settings.

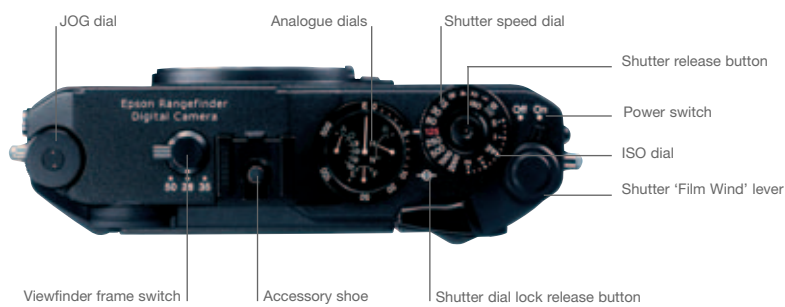
Rear



JOG dial

The metal JOG dial, which can be switched between upper and lower positions, has been designed to allow intuitive and precise operation of the camera. It is used to access various functions such as playback images sequentially, image magnification for careful checking and to apply settings according to GUI guides.

Top



Side



Epson R-D1
Rangefinder



Model Name	Epson Rangefinder Digital Camera R-D1
Model Type	Lens interchangeable rangefinder digital camera
Image Sensor	23.7mm x 15.6mm CCD sensor (primary colour filter)
Effective Pixels	6.1 Million
Recording Format	JPEG, CCD-RAW
Image Size	CCD-RAW (12bit): 3008 x 2000 pixels / JPEG: 3008 x 2000 pixels, 2240 x 1488 pixels
File Format	Exif 2.21, DCF 2.0*, DPOF 1.1 and Print Image Matching 2.6
Storage Media	SD Memory Card
Viewfinder Type	Coincident real image type rangefinder
Viewfinder Magnification	1.0 x
Effective Baseline Length	38.2mm
Rangefinder	Coupled coincident-type (range of interlocking: 0.7m - ∞)
Viewfinder Frame	Bright frame switchable for 28/35/50mm lenses, auto parallax compensation
Viewfinder Frame Coverage	85%
Viewfinder Exposure Display	LED shutter speed display (AE and manual modes)
Lens Mount	EM Mount (Compatible with M Mount) (L mount with adapter - not supplied)
Equivalent 35mm Focal Length	1.53 x lens focal length Note: Depth from lens mount into camera must be 20.5mm or less. Collapsible lenses or lenses with a lens mount depth of more than 20.5mm must not be used with the Epson Rangefinder R-D1. If pushed into the body the rear of the lens will damage the shutter mechanism and CCD.
Shutter	Electronically controlled vertically running focal plane
Shutter Speed	1 - 1/2000 second, bulb
Flash Synchronisation	X-contact, synchronisation of 1/125 second or slower
Exposure Metering System	Centre-weighted TTL exposure metering
Exposure Metering Range	EV 1-19 (ISO100 equivalent)
Exposure Control	AE with aperture priority and manual operation - AE Lock Function (Button)
Exposure Compensation Value	-2.0 - + 2.0 EV (1/3 EV increments) AE Mode only
ISO Sensitivity	200/400/800/1600
White Balance	TTL using image sensor
White Balance Setting	Auto or Preset (fine weather/shade/clouds/tungsten/fluorescent)
Custom "Film" Parameters	Standard, 3 Customisable "Film" Settings: EdgeEnhance, Saturation, Tint, Contrast, NR
Colour Setting	Colour and Monochrome Monochrome filters (standard, green, yellow, orange, red)
Liquid Crystal Monitor Display	2.0" low temperature poly-silicon TFT colour liquid crystal (235,000 pixels), 8 adjustable brightness levels, image coverage: 99.7%
Analogue Information Dials	Image quality, White balance, Shots remaining, Battery life
Image Playback	Single image / 4 thumbnails, zoom up to x 9.4 (smooth magnification), slide show Note: Maximum zoom of RAW images is 2x
Image Information	File name, date and time, image size, white balance, shutter speed, image quality setting, film setting, ISO sensitivity, colour mode
Image Analysis	Histogram and overexposure indicator, Composition Framing Guide
Delete Function	Single image/all images/card format
File Protection	Single image/all image protection and release
DPOF Settings	Single image/all images (between 0-99)
Language Settings	Japanese/English/German/French/Spanish/Italian/Dutch/Traditional Chinese
User Defined Button	Choice of following function settings: Image deletion, image protection, zoom, print setting, file info, "film" setting
Power Save Mode	3/5/10/20 minutes
Needle Calibration	Calibration of analogue dials
Sequence Number	Sequential file naming option
Time & Date Setting	Time and Date Setting, Date Format Options
Tripod Socket	1/4"(ISO 1222)
Accessory Shoe	Shoe (ISO 512), synchronisation contact
Cable Release Socket	Inside shutter release button
Size (w x h x d)	142.0 x 88.5 x 39.5mm
Weight	Approx 590g (excluding battery, SD card, neck strap)
Power Source	One Epson Lithium Ion rechargeable battery, battery charger and cable included
Temperature	Usage: 5 - 35 °C; Storage: 20 - 60 °C (with no condensation)
Humidity	Usage: 30 - 80%; Storage: 10 - 80% (with no condensation)
Supplied Accessories	Battery, battery charger, neck strap, manual, power cable, body cap, Epson PhotoRaw software (Microsoft® Windows® only), Epson RAW plug in (for Adobe® Photoshop® 7 and above and Adobe® Photoshop® Elements 2.0 - compatible with Microsoft® Windows®/Macintosh®)
Optional Accessories	Epson Lithium Ion rechargeable battery (Part number B32B818233)

* DCF is an abbreviation of Design Rules for Camera Files System which is standardized by the Japan Electronics and Information Technology Industries Association



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