

EPSON® PERFECTION™ 2450 PHOTO

Specifications

Model name: Perfection 2450 Photo
Part Number: **B11B149042**

Characteristics

A4 Flatbed Colour Image Scanner

Scanning

Single Pass scanning method

Voltage

220 to 240 V Universal Power Supply (external)

Frequency

50/60 Hz

Max Power Consumption

23 W

Scanning Resolution

Optical Resolution –
2400 x 4800 dpi with EPSON Micro Step Drive
Maximum Scanner Output Resolution/dpi – 12800
dpi

CCD: 6-line Matrix CCD™ with 61,200 pixels
Bits per pixel colour – 48-bit in, 48-bit out
Bits per pixel greyscale – 16-bit in, 16-bit out
Optical Density – 3.3D
Zoom: 50–200 %

Speed

Monochrome: 3,8 msec/line
Colour: 11,0 msec/line

Standard Interfaces

USB 2.0 and IEEE-1394 Firewire

Max Scanning Area

216 x 297 mm

Dimensions

W x D x H – 304 x 476 x 122 mm
Weight: 5,8 Kg

Image Processing

Text Enhanced Technology (TET)
Auto Area Segmentation (AAS)
Digital Halftoning, De-screening, Colour
Smoothing, Colour Drop Out, Brightness, Contrast,
Exposure, Gamma, Threshold, Highlights and
Shadow point, Grey Balance, Saturation, Tone
Correction, Unsharp Mask, Colour correction

Gamma Adjustment

CRT Display A 1.0
CRT Display B 1.2
Printer A/Impact 1.3
Printer B/Laser, Inkjet, Thermal 2.4
Printer C/High Contrast Printer
User Defined Setting

Halftoning/Dithering

Error Diffusion (A,B,C)
Dither (A,B,C,D)
User Defined Pattern (A,B)

Scanner Driver Functionality

EPSON TWAIN version 5.5
Transparency Scanning
Auto Locate
Auto Exposure
Document Type Recognition
Auto Skew Correction
Multiple Photo Scanning
Windows ICM
Windows sRGB
Macintosh ColorSync
Easy & Advanced User Interface:

Minimum System Requirements

USB 2.0

Full Speed Mode

Microsoft® Windows® 98/2000 Professional/Me/XP
Home Edition/XP Professional (Pre-installed
model or upgrade of Windows® 98/Me/2000
Professional pre-installed model)
Mac OS® 8.1 with iMac update or later for iMac
Mac OS® 8.5 to 9.X for G3 or greater

High Speed Mode

Microsoft® Windows® XP Professional/XP Home
Edition (Pre-installed model or upgrade of
Windows® Me/2000 Professional pre-installed
model)

*USB 2.0 host driver is required.

*Download USB 2.0 host driver from Windows
Update site.

*Further OS support may be available from 3rd
party USB 2.0 card vendors. Please check your
local Epson web-site for latest compatibility
details.

IEEE1394 (FireWire)

Microsoft® Windows® 2000 Professional/Me/XP
Home Edition/XP Professional (Pre-installed
model or upgrade of Windows® Me/2000
Professional pre-installed model). Mac OS® 8.6 to
9.X (FireWire updater 2.1 or later required)

PC

Pentium Processor or greater, 32 MB RAM, VGA
Monitor (640 x 480) with 256 colours or greater
required, 800 x 600 recommended with 65,000
colours

Macintosh

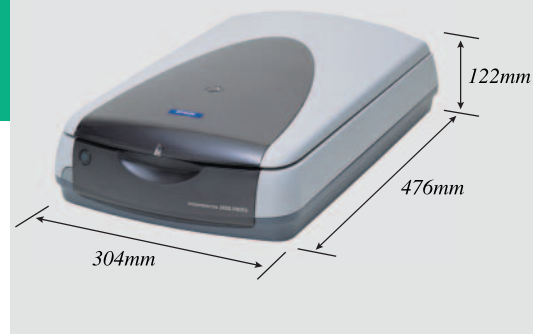
Power PC Processor or greater, 32 MB RAM,
Monitor (640 x 480) with 256 colours or greater
required 800 x 600 with 65,000 colours
recommended

Warranty

1 year call-out

Optional extension to 3 years (ECPGRP25)

Optional upgrade to 3 years on-site (ECPGRP35)



To ensure you continue to enjoy complete confidence in your EPSON product, it is supported by a 1 year warranty. For additional peace of mind, optional EPSON CoverPlus Extended warranties can be purchased.

EPSON CoverPlus Extended Warranties

3 year warranty. Peace of mind. Minimal down time. EPSON Authorised Engineers and EPSON original spares used – providing assurance that the engineer repairing the product has been trained by EPSON and will use EPSON specific parts. Can be purchased like any other EPSON product. Each group has a unique part number.* Warranty is transferable if the product is sold on.

Contact your dealer or your local EPSON office for further details.

* Must be registered within 90 days of purchasing the product it is to cover.

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Support Hotline on 08701 637766.

For Ireland, call 01 679 9016

Specifications subject to change.

All manufacturers trademarks acknowledged.



EPSON®

EPSON® PERFECTION™ 2450 PHOTO



Outstanding quality, USB 2.0 and FireWire A4 Scanner

- True 2400 x 4800 dpi optical resolution for high quality scanning
- Ultra high-speed, 48-bit scanning for vibrant, accurate colours
- USB 2.0 and IEEE-1394 FireWire interfaces
- Built-in 4" x 9" Transparency Unit
- QuickStart button and Intelligent EPSON SmartPanel interface for one-touch simplicity
- Adobe® Photoshop® Elements image editing software

EPSON® PERFECTION™ 2450 PHOTO

The EPSON Perfection 2450 Photo is EPSON's most advanced consumer scanner to date. The latest technologies ensures superb quality at high speed, while the innovative EPSON QuickStart Button and SmartPanel interface provide one-touch simplicity with maximum control. From documents and images to transparencies and film, this scanner is perfect for advanced home users and photo enthusiasts.

Quality through technology

This scanner's ground-breaking 2400dpi resolution and scan quality is achieved through a combination of the latest EPSON developments, including precision On-Chip Microlens technology, an alternate Matrix CCD™, an optical carriage driven at 4800 dpi with EPSON Micro Step Drive, Dynamic Range Control and an On-demand Pixel Optimiser.

Also, simultaneous RGB scanning is combined with full 48-bit colour, capable of recognising over 281 trillion colours and 16.384 shades of grey, so you can rest assured that the EPSON Perfection 2450 Photo will deliver scans that are every bit as sharp, vibrant and detailed and as your originals.



Simple and effective

Everything about the EPSON Perfection 2450 Photo is designed to provide flexibility with maximum ease of use. The EPSON SmartPanel interface is the heart of user control, working alongside the QuickStart button to enable scanning that is not only one-touch simple, but can be customised to your individual needs. New TWAIN 5.5 driver software now means that even film can be scanned in Full Auto Mode, as well as documents.

EPSON SmartPanel

EPSON's Perfection series scanners feature EPSON SmartPanel software - a suite of user-friendly tools that lets users program the Start Button to launch the application of their choice, and to define the type of scanning they want to carry out.

The following options are available:

- **Copy** – Scans and copies the original via a clear copier control panel
- **E-Mail** – Scan and send as e-mail attachments
- **OCR** – Scans and converts documents into editable text
- **Photo Print** – Scans and reprints in a range of sizes and layouts
- **Application** – Scans and imports images directly into the application of your choice
- **PhotoShop** – Scans directly to Adobe® PhotoShop®

Scan to Web

The EPSON Perfection 2450 Photo is built to make the most of your photos, and that includes sharing them with friends and family on the Internet. With the 'Scan to Web' feature, you can scan photos straight to the EPSON Photo Sharing website and create a gallery of images for everyone to enjoy.

Maximum speed

To ensure that outstanding quality scans are achieved at ultra high speeds, the EPSON Perfection 2450 Photo features standard USB 2.0 (480 Mbps, 40 times faster than USB 1.1) and IEEE-1394 FireWire (400 Mbps, more than 5 times faster than SCSI-2) interfaces. In addition to speed, this means flexible connection to virtually any Mac or PC environment. *

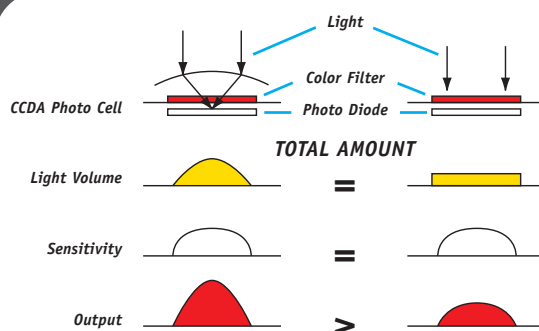
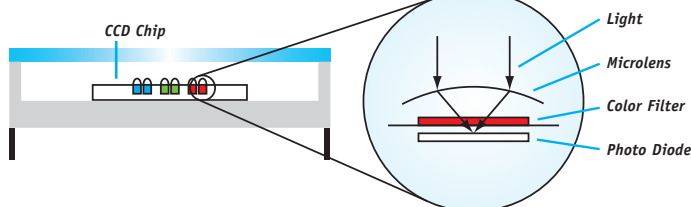
* Also compatible with USB 1.1.
Above speeds only apply when using USB 2.0.



ON-CHIP MICROLENS TECHNOLOGY

EPSON's groundbreaking scanner technology adds a Microlens onto each CCD to allow its tiny photo diodes, which capture the image data, to capture more data than ever before. The result is better, faster scans at 2400 dpi resolution.

How the Microlens works



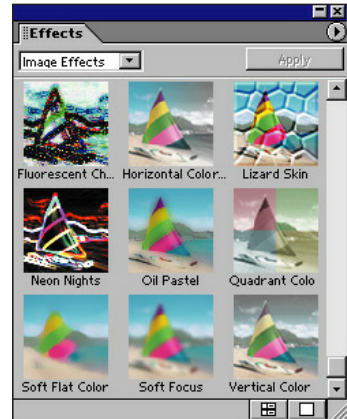
Key Features

- True 2400 x 4800 dpi scanning with EPSON Micro Step Drive and Matrix CCD™
- 48 bit in/out scanning capability for excellent colour reproduction
- Ultra high speed scanning
- QuickStart button for easy one-touch scanning, editing and copying
- Built in 4" x 9" transparency unit
- Intelligent EPSON SmartPanel interface for simple scanning to e-mail, OCR, Photo Editing and the Internet
- 'Scan to Web' feature for sharing photos via EPSON's Photo Sharing web site
- Adobe® Photoshop® Elements software
- Standard plug & play USB 2.0 interface and IEEE-1394 "FireWire"

High quality software

Whether you are scanning text documents, graphics or photos, the EPSON Perfection 2450 Photo has the software to ensure the ultimate results.

For text applications, software includes TextBridge Pro, an advanced OCR program which enables high-level scanning of text and turns them into editable files with amazing speed and accuracy. It can even recognise columns, pictures and drop caps – and recreate tables as word processing cell tables or spreadsheets.

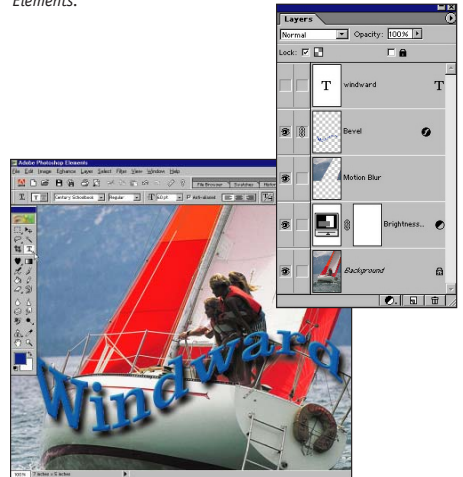


Add creative special effects to your images with Adobe® Photoshop® Elements.



Adobe® Photoshop® Elements

For photo applications, Adobe® Photoshop® Elements offers unique features designed specifically for photographers, hobbyists, and business users who want an easy-to-use, yet powerful digital imaging solution. State-of-the-art image-editing tools free you to explore your creativity by adapting, combining, and manipulating your images in an infinite number of ways.



Text editing and manipulation effects produce superb results.

Designed for photographic flexibility, although perfect for high-speed document and general image scanning, the EPSON Perfection 2450 Photo is the ideal scanner for photo enthusiasts and professionals. A 4" x 9" transparency unit enables users to scan multiple negatives and positives, and is built into the lid for simple switching between film and reflective originals. You can even scan two sheets of 35mm strip film at any one time.

