

EPSON®

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Epson Perfection 4490 Photo

High resolution image scanning with DIGITAL ICE Technology for film and photo restoration

The Epson Perfection 4490 Photo gives you high resolution image scanning. Featuring DIGITAL ICE Technology, you can easily restore damaged film and photos and turn your photo library into a vibrant, digital image collection.

You can be confident of retaining even the finest details from your originals with the Epson Perfection 4490 Photo. At 4800 x 9600dpi optical resolution and 48 bit colour, it's not only a professional colour scanner, it's also easy to use. Just four buttons control the process: Start, Copy, Scan Email and Scan to PDF.

In addition to standard 35mm filmstrips and mounted slides, the built-in film adapter also supports medium format (up to 6 x 12cm), negative and positive film.

The Epson Perfection 4490 Photo comes with all you need to restore old film and photos. During the scanning process DIGITAL ICE Technology automatically removes scratches, tears and dust from old or damaged film. An advanced software package including Adobe® Photoshop® Elements 3.0 and Epson Creativity Suite gives you total control over the enhancement and editing of your scans.

Key features

- Remove dust and scratches automatically with DIGITAL ICE Technology
- Easily scan standard 35mm as well as medium format film and slides
- High resolution scanning at 4800 x 9600dpi and 48 bit colour
- Achieve excellent tone reproduction with 3.4Dmax optical density
- Direct scanning to e-mail or pdf
- Restore precious memories using Epson Color Restoration
- Scan up to 30 A4 sheets with the optional Auto Document Feeder



Model Epson Perfection 4490 Photo

Basic

Scanner type Flatbed colour image scanner

Optical resolution Main 4800dpi x Sub 9400dpi

Optical density 3.4DMax

Document size 216 x 297mm (A4 + Letter)

35mm strip film 12 frames, 35mm mounted film 4 frames, medium format (6 x 12cm) 1 frame strip film

USB 2.0 Hi-Speed (Type B standard connector x 1)

Interface

Configuration

Photoelectric device Color CCD line sensor with micro lens, 122,400 pixels

Light source White cold cathode fluorescent lamp

Sub-scanning method Fixed document and moving carriage

Performance

Output resolution 50 – 6400, 9600, 12800 dpi

Colours Internal: 48 bit (281.5 trillion colours)

Output: 48 bit (281.5 trillion colours)

24 bit (16.7 million colours), 16 bit (65,536 greyscale levels), 8 bit (256 greyscale levels), 1 bit (monochrome)

Scanning speed*

Documents & photos

Full scanbed	Preview	7 sec
6" x 4"	600dpi	9 sec
A4 line art	300dpi	17 sec
A4 colour	600dpi	27 sec

Films & transparencies

35mm positive colour film	2400dpi	41 sec,	3200dpi	68 sec
35mm negative colour film	2400dpi	43 sec,	3200dpi	72 sec
Medium format positive film	3200dpi	206 sec,	4800dpi	275 sec
Medium format negative film	3200dpi	169 sec,	4800dpi	219 sec

Functions

Image Quality Enhancer

DIGITAL ICE™, DIGITAL ICE™ Lite, grain reduction, dust removal, color restoration, PRINT Image Matching™ II, optimized auto exposure, unsharp mask with noise reduction, de-screening with document type optimizer, tone curve adjustment with histogram

Easy Scanning

4 push buttons linked with Epson Creativity Suite, stand-alone application and scan to file feature, scan to pdf feature, multi-purpose user interface, multi-document auto detection, multi-document auto cropping, auto skew correction, multi-marquee, film scanning thumbnail preview

Supported platforms**

USB 1.1

Microsoft® Windows® 98SE / Me / 2000 Professional / XP Home Edition / XP Professional (pre-installed model or upgrade of Windows® 2000 Professional pre-installed model) Mac OS® X 10.2.7 or later

USB 2.0

Microsoft® Windows® XP Home Edition / XP Professional / 2000 Professional† (pre-installed model or upgrade of Windows® 2000 Professional pre-installed model) Mac OS® X 10.2.7 or later

†USB 2.0 Host Driver by Microsoft is required

Environmental conditions

Temperature 5°C to 35°C (operating), 10°C to 32°C (scanning with ADF)

Humidity 10% to 80% without condensation (operating), 20% to 80% without condensation (scanning with ADF)

Electrical specifications

Voltage 220 - 240V 50 - 60Hz

Power consumption 20W (operating), 22.5W (operating with ADF)

13.5W (standby mode), 13.5W (operating with ADF)

3.8W (sleep mode)

Options

Automatic Document Feeder B12B813392

General

Dimensions (w x d x h) 272 x 475 x 113mm

Weight approx. 4kg

Warranty 1 year standard. Optional extension to 3 years

Warranty offers are not available in all countries. Please contact your local Epson representative.

*Scanning speed note: Scanning speed test results vary according to system configuration, dpi setting, and scan mode settings.

**To use the USB port, consult the documentation provided with your PC for further information about USB connectivity. Please note that errors may occur if non-standard cables or multiple hub connections are used.

DIGITAL ICE™ scan times are dependant on the amount of dust & surfaces defects being removed. In general, DIGITAL ICE™ scan times are at least 2x non-DIGITAL ICE™ scan times. DIGITAL ICE™ does not support conventional B/W nor Kodachrome films.

