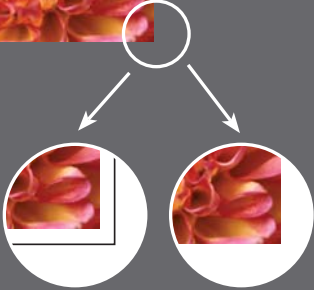## Superb BorderFree™ Prints A4 and 4R (4"x6")

BORDER FREE

Print with margin

No margin BorderFree™ Photo

Economical INKdividual™ Cartridges

Operating costs can be kept to a minimum, as replacement is required only for the ink that runs out.

EPSON's Unique Advanced Micro Piezo™ Head

This allows greater accuracy & increased coverage during a single pass, resulting in increased speed.

EPSON PERFECTION™
4490 PHOTO

113mm
475mm
272mm
Weight = Approx. 4kg

Scanning Speed Data Patterns
The thumbnail images below show the scanning patterns used to determine scanning speed specifications.

1
Line Art
(MEMO)

2
Photo
(Photo courtesy of ISO/JIS-SCID. Reprinted by permission.)

System Configuration of Scanning Speed
CPU: Pentium 4, 3.2GHz
RAM: 1 GB
I/F: USB2.0 Hi-Speed
OS: Windows XP Professional Edition
Software: Adobe Photoshop 7.01E

Scanning speed test results vary according to system configuration, dpi setting, and scan mode setting. However, documents and photos other than those pictured above can be substituted without significantly affecting test results.

www.epson.com.sg
www.epsonphoto.com.sg

Specifications

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Basic

Scanner Type	Flatbed colour image scanner
Optical Resolution	Main 4800 dpi x Sub 9600 dpi
Document Size	216 x 297mm (A4 + Letter)
	68 x 236mm (35mm Strip film 12 frames
	35mm Mounted film 4 frames
	Medium format (6 x 12cm) 1 frame Strip-film)
Interface	USB2.0 (Type B standard connector x 1)

Configuration

Photoelectric Device	Colour 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 (1 dpi step), 9600, 12800 dpi	
Colours	Internal	48 bit (281.5 trillion colours)
	Output	48 bit (281.5 trillion colours)
		24 bit (16.7 colours million)
		16 bit (65,536 grayscale levels)
		8 bit (256 grayscale levels)
		1 bit Monochrome

Scanning Speed

Reflective Scanning	Monochrome[1]	A4 600dpi	3.84msec/line
	24bit Colour[2]	A4 600dpi	3.84msec/line
Film Scanning			
	35mm Positive film	4800dpi	104 sec (Best mode); 87 sec (Draft mode)
	35mm Negative film	4800dpi	116 sec (Best mode); 94 sec (Draft mode)

Functions

Image Quality Enhancer	DIGITAL ICE™ (for film)	Easy Scanning	4 Push Buttons linked with EPSON Creativity Suite
	DIGITAL ICE™ LITE (for film)		Stand-Alone Application and Scan to File Feature
	Grain Reduction		Scan to PDF feature
	Dust Removal (Software for film)		Multi Purpose User Interface
	Color Restoration		Multi Document Auto Detection
	PRINT Image Matching II		Multi Document Auto Cropping
	Optimized Auto Exposure		Auto Skew Correction
	Unsharp Mask with Noise Reduction		Multi Marquee
	De-Screening with Document Type Optimizer		Film Scanning Thumbnail Preview
	Tone Curve Adjustment with Histogram		

Supported Platforms

USB1.1:
Microsoft® Windows® 98SE/ME/2000 Professional/ XP Home Edition/ XP Professional
(Pre-installed model or upgrade of Windows® 98/Me/2000 Professional pre-installed model) Mac OS® X 10.2 or later

USB2.0:
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

USB2.0 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	(AC200V model) AC220-240V 50-60Hz
Power Consumption	20 W (Operation) (With ADF 22.5W)
	13.5W (Standby Mode) (With ADF 13.5W)
	3.8 W (Sleep Mode)

Options

Automatic Document Feeder	B12B813392

* 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.

Dealer's Stamp

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July 05

EPSON PERFECTION™
4490 PHOTO

SOPHISTICATION IN PERFECTION WITH DIGITAL ICE™

Supreme quality scans of 4800dpi for film and photographs with Digital ICE™

EPSON PERFECTION™
4490 PHOTO

State-of-the-art image enhancement and correction technologies at a touch.

- Extreme clarity and true-to-life scan reproductions with 4800dpi scan resolution
- Professional image correction and enhancement technology from Digital ICE™.
- Greater versatility from a wider range of supported film formats.
- Brilliant reproductions of faded film and photos with EPSON Easy Photo Fix™.

Exceptional High Quality
4800 DPI optical resolution, 48BIT colour.

Digital ICE™ for Film
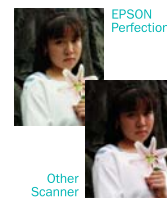Removes dust and surface defects.

Versatile Film Scanning
Built-in film adaptor with 2 film holders.

4800 DPI

48 BIT

digital **ICE** technology

Immortalise Snapshots of Brilliance

Colour Reproduction Comparison (Negative film)
EPSON Perfection
Other Scanner

4800dpi scan resolution, MatrixCCD technology and a revolutionary On Chip Micro-Lens ensures digital imaging with utmost distinctiveness and clarity for both film and photos.

Every scan is a visual treat of brilliant colours with 48-bit colour depth, an optical density of 3.4 and an improved CCD colour filter.
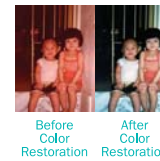
Before
digital **ICE** technology
After

A Digital ICE™ First!

Digital ICE™ combines hardware detection and software processing for a comprehensive image correction and enhancement solution. The first scanner in its class with Digital ICE™ and Digital ICE™ Lite, easily eliminates stubborn dust or scratch marks for perfect digital images from your film collection.

Wide Range of Supported Film Formats Scanning

Multiple film formats supports the needs of the most prolific photographer. The two bundled film holders scan 12 frames of 35mm strip film and 4 slides of 35mm mounted film or 1 frame of 6x12cm medium format film.

Revive Film and Photos with Ease

Before Color Restoration   After Color Restoration

Revitalise old film or photos that have deteriorated with time. EPSON Easy Photo Fix™ comes with Color Restoration function to restore faded colour and monochrome film or photos and Dust Removal to remove 'white spots' from dust particles on aged film negatives.

Brilliance with Speed

The TPU also incorporates a moving-carriage light which disperses light more evenly and reduces scanning time for film. Coupled with the built-in ASIC hyper processor, scanning speeds are amazingly fast.

For efficiency in document scanning an optional Automatic Document Feeder (ADF) handles up to 30 sheets of A4 documents 3ppm.

PDF — New Feature

Scanning is so convenient with 4 push buttons for one-touch operation of Start, Copy, Scan-to-Email and Scan to PDF functions.

Imaging Functionalities

Empower your scanning preferences with powerful scanning and imaging software tools.

EPSON Scan 2.7 – 3 intuitive modes to suit users of any skill level. Modify ICC profile creation method to improve scan quality or scan to Multi-page PDF.

EPSON Creativity Suite – Epson's photo software solution manages images so that scanning, copying or printing photos and documents is a breeze.

Adobe® Photoshop® Elements 3.0 – a photo re-touching and image editing software for perfecting images to the last detail.

ABBYY FineReader 6.0 Sprint Plus

ABBYY® FineReader® Sprint Plus 6 – a powerful Optical Character Recognition software for editing of scanned documents.

NewSoft Presto! BizCard 4 LE – a business card OCR solution for hassle-free administration and storage of your business contacts.

With its avant-garde design, the EPSON Perfection™ 4490 Photo exudes sophistication on an advanced amateur's desktop. It is easily connectable via Hi-Speed USB 2.0 interface to the PC or Macintosh® .

Superlative INKdividual™ Photo Performance.

Professional Photo Results

By combining Epson Photo Inks & Premium Glossy Photo Paper, photo prints from EPSON Stylus Photo Inkjets & Photo AIOs are able to resist environmental threats such as water, light & ozone gas; producing prints that are virtually grain free and as good as that of traditionally processed photos.

With a super high 5760 x 1440 optimised dpi & Variable Sized Droplet Technology, you will get sharper and more detailed prints. Black text printing is also crisp and dense making it suitable for everyday use.

5760 dpi OPTIMISED using *rpm* RESOLUTION PERFORMANCE MANAGEMENT
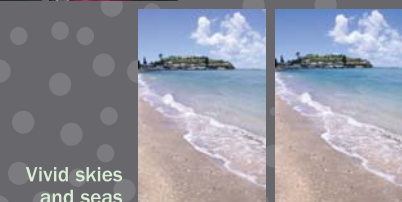
Attractive Colour

The preferred colour setting ("Vivid" in driver) renders vivid skies and seas, and natural skin tones.

Alternatively users may opt for natural colour reproduction with "Standard" setting in the driver.

Normal   Epson Preferred Colour

Natural Skin Tones

Vivid skies and seas

Normal   Epson Preferred Colour