

Epson Perfection V550 Photo



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Photo Scanners

High quality photo and film scanning with energy efficient LED technology for photographers

[Printer Friendly Specs](#)

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Overview

KEY FEATURES & BENEFITS

ReadyScan LED Technology – Energy efficient LED Technology is better for the environment with no warm up time and faster scans.

6400 x 9600dpi Resolution - Outstanding photographic scanning quality combining image clarity and colour consistency.

Scan & Share – automatically upload to Facebook, popular cloud services and more.

Easy Photo Fix Technology – Restore old faded colour photos and relive memories with one-touch.

3.4 Dmax optical density – provides crisp definition for accurate colour tonal capture.

Featuring DIGITAL ICE™ Technology - an incredibly powerful tool using both hardware and software to detect and remove dust and scratch marks from colour film and slide scanning.

Scan multiple files at one time – auto edge detection crops each image and saves the scan as a separate file for added convenience.

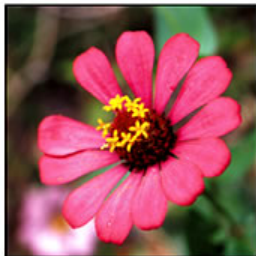
Scanning versatility - with two film holders, one designed for two strips of 35mm film or four mounted slides, and the other for 6x12cm medium format film.

ReadyScan LED Technology

In yet another world first for Epson, the Epson Perfection V550 Photo is the first release of a CCD (Charge-Coupled Device) scanner using LED (Light Emitting Diode) technology.

In stark contrast to traditional scanners that use Cold Cathode Fluorescent Lamps (CCFL) as the light source, the Epson Perfection V550 Photo's LED technology is:

Superior image quality



Underpinning the Epson Perfection V550 Photo's high level of performance is its 6400dpi Matrix CCD (Charged Couple Device) and Micro Lens technology combination. The enormous advantage of the CCD and On-Chip Micro Lens combination is that it enables the Epson Perfection V550 Photo to be incredibly light sensitive. As a result, photograph and film scans exhibit superior levels of picture quality than would otherwise be achieved. The Epson Perfection V550 Photo takes scanning to the next level with 12 lines of CCD with micro lenses compared with only 6 lines on previous models. This enables the Epson Perfection V550 Photo to produce better quality scans at faster speeds.

Adding even greater scanning resolution power is the scanner's ability to move the optical carriage at 9600dpi with Micro Step Drive – a feature that has consistently provided Epson Perfection scanner users with brilliantly clear images exhibiting high colour consistency.

3.4 Dmax – The Epson Perfection V550 Photo has a scanning contrast ratio of 3.4 Dmax.



Total versatility

In designing the Epson Perfection V550 Photo, Epson research and development teams placed an enormous emphasis on versatility – ensuring the one scanner would provide an ideal solution for scanning documents, photos, negatives and slides.

Strip Film and slides – With two film holders, the Epson Perfection V550 Photo can process:

12 frames of 35mm strip film (6 frames per strip)

4 frames of 35mm mounted slides

1 frame of medium format film (120/220) (up to 6-by-12cm)

Total control and ease-of-use

In keeping with the proven ease-of-use features that are a key differentiator of all Epson Perfection scanners, the Epson Perfection V550 Photo has been designed with a straightforward four-button operation panel. Once pressed, each button automatically initiates a corresponding on-screen workflow.



Start button: Once pressed, the Start button runs the PC/Mac-based Epson Scan software, providing simple and immediate access to the Epson Perfection V550 Photo's total set of software-based scanning tools.

Copy button: Essentially providing the basis of a versatile copying machine, the Copy button streamlines the process of creating duplicate copies of your documents and photos.

Scan to E-mail button: Automatically activating the Epson Scan Full Auto mode and the Send File via E-mail dialog box, the Scan to E-mail button cuts down on the time and effort normally required to scan and e-mail photos and documents.

Scan to PDF button: A valuable tool for home and business users, Scan to PDF makes light work of converting documents and photos to size-efficient and easily manageable digital PDF (Portable Document Format) files.

High-Speed Scanning

With numerous technologies that enhance the speed of data processing and transmission, the Epson Perfection V550 Photo has been designed to provide outstanding quality scanning without compromising on speed. The first of these technologies is a high-speed PC-centric ASIC (Application-Specific Integrated Circuit) that processes image data at speeds much greater than previous models.



With a moving carriage type TPU (Transparency Unit), the Epson Perfection V550 Photo achieves brighter and more evenly dispersed luminance, which are essential requirements in improving scan uniformity and film/negative scanning speed.

Adding even further to the high-speed capabilities of the Epson Perfection V550 Photo is its standard USB 2.0 port. Aside from providing broad connectivity support, the USB 2.0 port ensures a high-speed transmission rate of the massive amounts of scanned image data captured and processed by the scanner.

Digital Ice Technology—Precision fault detection and correction

One of the enormous strengths of the Epson Perfection V550 Photo in scanning films and slides is the inclusion of Digital ICE (Image Correction and Enhancement) and Digital ICE Lite technology. By taking full advantage of the Epson Perfection V550 Photo's advanced scanning technologies, Digital ICE utilising both the hardware and software technologies accurately detects and removes dust and even scratch marks from colour film and slide scans.

Based on advanced software (embedded in the scanner's firmware) and the Epson Perfection V550 Photo's scanning lamp, Digital ICE uses information from the scanner's four-channel lamp (one channel each for red, green and blue, and another for fault detection) to identify the location of dust and scratches, then employs specially designed software algorithms to remove detected faults from the final image.



Powerful image management software

Included with your new Epson Perfection V550 Photo is a range of bundled software that gives you a comprehensive and easy-to-use set of image scanning, manipulation and management tools.

Epson Creativity Suite: This software application is used to produce thumbnails of image files for browsing and organising image collections. It also provides retouching and launcher functions that can be used in accordance with the user's needs. Once File Manager is opened, the applets can be accessed by clicking on its icon or by dragging and dropping the image thumbnail onto the project icon. This latest version of Epson Creativity Suite also comes with red eye reduction and mailer support.

Epson Scan 3.2: This new version of the popular scanner control software developed by Epson includes features, such as Backlight correction, along with an improved Dust Removal function. Available for Windows and Mac operating systems, Epson Scan has been designed to simplify workflow and generate better scanning results than ever before. Epson Scan 3.2 includes:

High Compression PDF — by analysing and separating the text area and background area or document, High Compression PDF enables file sizes to be as small as one-third of conventional JPEG files.

ICC Profile Embedding (TIFF and JPEG) — designed to improve poor colour management due to undefined colour space characteristics of the scanned image data.



Scan to Facebook

The Epson V550 Photo makes it easier than ever to share special moments, by including new features such as scan to Facebook, Picasa and other photo sharing web sites. This new feature enables convenient photo sharing with family and friends on today's popular social media.

Specification

Epson Perfection V550 Photo	B11B210401
SCANNER TYPE	Flatbed A4 colour image scanner
OPTICAL RESOLUTION	Main: 6400 dpi x 9600 dpi
SUB-SCANNING METHOD	Fixed document and carriage moving
DOCUMENT SIZE	
PHOTOELECTRIC DEVICE	216x297mm (A4+Letter)
TRANSPARENCY	35mm Strip film 12 frames 35mm Slides 4 frames 6cm x 12cm medium format (120/220) 1 frame
TRANSPARENCY UNIT MAXIMUM SCANNING SIZE	68.6 x 236.9mm
INTERFACE	USB2.0 Hi-speed

CONFIGURATION

PHOTOELECTRIC DEVICE	Matrix CCD (12 line with on chip micro lens)
LIGHT SOURCE	White LED, IR LED
SUB-SCANNING METHOD	Fixed document and moving carriage

PERFORMANCE

OUTPUT RESOLUTION	50 – 6400, 9600, 12800 dpi (50 to 6400 dpi in 1dpi increments)
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 300dpi	14 seconds	
24bit COLOUR*2	A4 300dpi	15 seconds	
FILM SCANNING		Draft Mode	Best Mode
35mm Positive film	3200dpi	55 sec	55 sec
35mm Negative film	3200dpi	63 sec	63 sec

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.

FUNCTIONS

IMAGE QUALITY ENHANCER	DIGITAL ICE (for film) DIGITAL ICE LITE (for film) Grain Reduction Dust Removal (Software for film and reflective/photo) Backlight Correction Colour Restoration PRINT Image Matching II Optimized Auto Exposure Unsharp Mask with Noise Reduction De-Screening with Document Type Optimizer Tone Curve Adjustment with Histogram Colour Palette
EASY SCANNING	4 Push Buttons linked with EPSON Creativity Suite Stand-Alone Application and Scan to File Feature Multi Purpose User Interface Multi Document Auto Detection Multi Document Auto Cropping Auto Skew Correction Auto Photo Orientation Multi Marquee Film Scanning Thumbnail Preview

SUPPORTED PLATFORMS**USB2.0:**

SCANNER DRIVERS Windows® 7/7x64/Vista/Vista64/XP/XP64/2000, Mac® OS 10.3.9 or later (Universal Version)**
**(iMac/iBook/Power Book/Power Macintosh of USB2.0 I/F standard equipped)

ENVIRONMENTAL CONDITIONS

TEMPERATURE	10°C to 35°C (Operating)
HUMIDITY	10% to 80% without condensation (Operating)

ELECTRICAL SPECIFICATIONS

VOLTAGE	(AC200V model) AC220-240V 50-60Hz
POWER CONSUMPTION	Approx. 16W (Operation) Approx. 4W (Sleep Mode)

SOFTWARE*

Epson Scan with Epson easy Photo Fix™ Technology
Epson Easy Photo Scan

WARRANTY

12 months return to base	Standard
Optional Additional 2 Year Warranty	3YWPV550P

Epson Scanner Warranty.**DIMENSIONS**

WIDTH	280mm
DEPTH	485mm
HEIGHT	118mm
WEIGHT	Approx. 6.1kg

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Usage Conditions

Epson products are designed and made to give highly reliable use and long life when used according to its specifications. With any system, product or device used in situations where human life may be involved or at risk, Epson advises that you should take all necessary steps to ensure the suitability of your Epson product for inclusion in your system, and recommends that you include fail-safe procedures and redundancy support or backup equipment in your system, to maintain the maximum safety margin and optimum system reliability. Examples include but are not limited to – do not interfere with any electrical components within the device, do not use items supplied with the product for purposes other than as intended by Epson (ie mains cords, inks, CDs, plastic wrapping) and do not make modifications to the product.

This printer is designed to function only with genuine Epson ink cartridges and not with third party ink cartridges. The printer may not function properly or at all if you use third party ink cartridges.

Consumables

There are no consumables for this product.