

# Epson® Perfection® V850 Pro Scanner



Scanners

Photo

## The pro-quality scanner with advanced control to archive film and photos.

**Professional quality color and detail** — get unparalleled scans with state-of-the-art 6400 dpi optical resolution<sup>1</sup> and advanced optics

**Remarkable tonal range and shadow detail** — 4.0 Dmax for smooth gradations and fine shadow detail

**Advanced optics** — high-reflection mirror and anti-reflective optical coatings ensure minimum optical distortion

**Epson's exclusive Dual Lens System** — automatically selects from two lenses for optimum results based on the media being scanned

**Automatically remove dust and scratches** — Digital ICE® Technologies remove many surface defects from film and prints to minimize costly retouching

**ReadyScan® LED light source** — for fast scans with no warmup time required

**Greater productivity** — batch scan multiple slides, negatives, medium- and large-format film with two sets of film holders (included)

**Do more with your film and photos** — SilverFast® SE PLUS and X-Rite® i1Scanner color management software included for added versatility and control

**Precision film scanning** — includes two sets of anti-Newton ring film holders; specialized fluid mount option available



\*At retail. Excludes specialty receipt scanners.<sup>2</sup>

## Specifications

### Type

Flatbed color image scanner

### Photoelectric Device

Alternative 6 lines color Epson MatrixCCD®

### Optical Resolution¹

Epson Dual Lens System  
4800 dpi and 6400 dpi

### Maximum Hardware Resolution

4800 x 9600 dpi, 6400 x 9600 dpi  
with Micro Step Drive™ technology

### Maximum Interpolated Resolution

12,800 x 12,800 dpi

### Effective Pixels

40,800 x 56,160 (4800 dpi)  
37,760 x 62,336 (6400 dpi)

### Color bit depth

48 bits internal/external¹

### Monochrome bit depth

16 bits internal/external¹

### Optical Density

4.0 Dmax

### High Pass Optics

Anti-reflective optical coatings  
High-reflection mirror

### Maximum Reflective Scan Area

8.5" x 11.7"

### Light Source

ReadyScan LED technology

### Scanning Speed (4800 dpi, High-speed Mode)

Full color/monochrome 10.8 msec/line (approx.)

### Transparency adapter max size:

8" x 10"

### Transparency adapter using

film holders/fluid mount:

5.9" x 9.74"

### Supported film size:

35mm slides (12 frames)  
35mm film strips (18 frames)  
Medium format film (1 frame, up to 6 x 20 cm)  
4" x 5" film (1 frame)

### Dust and Scratch Removal:

Digital Dust Correction via Epson Scan  
Digital ICE Technologies for Film and Prints  
Optional Fluid Mount (scanning fluid and supplies not included)

### Button

1 button, Epson Scan

## Software Included

Epson Scan with Easy Photo Fix® technology  
LaserSoft Imaging® SilverFast SE PLUS  
X-rite i1Scanner with reflective/transparent IT8 targets

## System Requirements

Windows® 8 – 8.1, Windows 7, Windows Vista®  
Windows XP, Windows XP Professional x64 Edition  
Mac OS® X 10.6.x – 10.10.x

## General

### Reliability

MCBF: 100,000 cycles

### Connectivity

Hi-Speed USB 2.0

### Operating Temperature

41° to 95° F (5° to 35° C)

### Operating Humidity

10–80%, no condensation  
10–85%, no condensation (storage)

### Rated Input Voltage

AC 100 – 240V

### Rated Input Frequency

50–60 Hz

### Rated Output Voltage

DC 24V, 1A

### Power Consumption

Operation 23W  
Standby Mode 12W  
Sleep Mode <1.5W  
Power Off 0.3W

### Warranty

One-year limited warranty in the U.S. and Canada

## Dimensions (W x D x H)

19.8" x 12.1" x 6"  
Weight 14.6 lb

## Eco Features

- RoHS compliant
- Recyclable product²
- Epson America, Inc. is a SmartWay™ Transport Partner³

## What's In The Box

Epson Perfection V850 Pro color scanner, 8" x 10" Transparency Unit (built into lid), Eight film holders: 35 mm slides, 35 mm film strips, medium format 6 x 20cm and 4" x 5" (two each), Film Area Guide, Scanner Software installation CD-ROM, LaserSoft Imaging SilverFast SE PLUS, X-Rite i1Scanner with reflective/transparent IT8 targets, Setup poster, Hi-Speed USB 2.0 cable, AC adapter and power cord

## Ordering Information

Epson Perfection V850 Pro	B11B224201
Fluid Mount Accessory	B12B818272

1 Optical resolution is the maximum scan resolution of the CCD elements, using the definition of ISO 14473.

2 Based on U.S. and Canada NPD retail scanner databases, March 2013. NPD sample period CY2012.

3 External bit depth is selectable to 48 bits/16 bits depending on the image editing software.

4 For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle)

5 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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