SCREEN
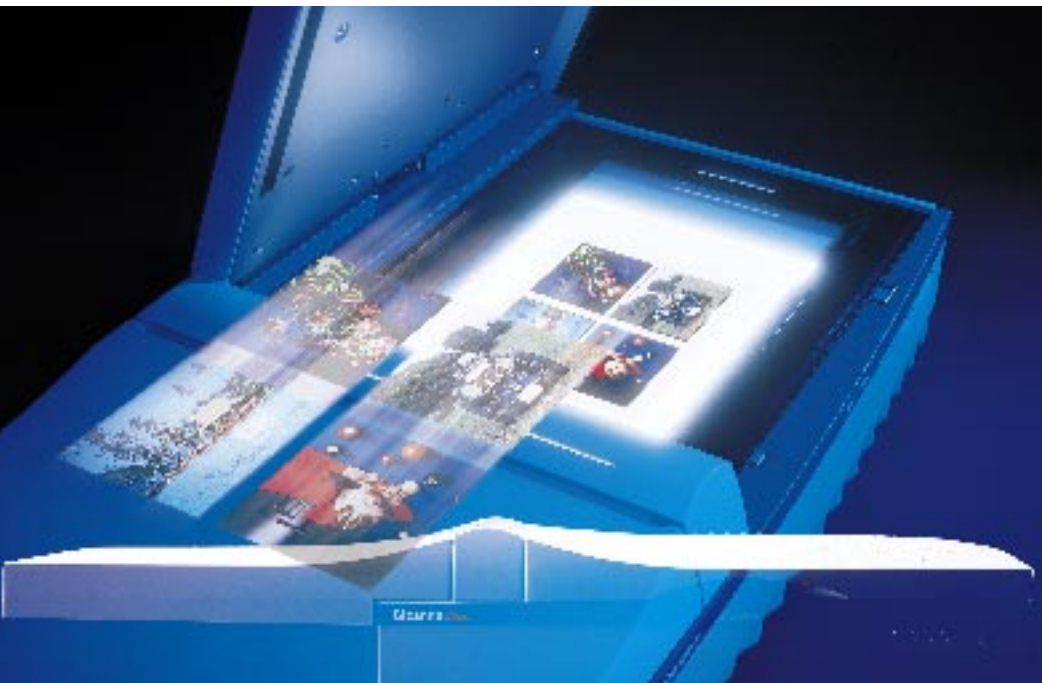
Cézanne Elite

Desktop Flatbed Scanner

Cézanne Elite

Today's workplace demands ever-increasing quality and productivity. Responding to the increasingly stringent demands of our worldwide customers, Dainippon Screen now presents the Cézanne Elite, a scanner in a class of its own. The outstanding features and versatility of the industry-acclaimed Cézanne are just the beginning, as the new Cézanne Elite offers significant improvements in many fundamental areas.

Scanning with the Cézanne Elite is approximately twice as fast as our previous model, ensuring dramatic increases in productivity. In addition, the latest ColorGenius EX image processing software combines an even easier to use GUI with new functions that make achieving superior output supremely easy.

The Cézanne Elite leads the way to a new era of unparalleled performance that will exceed your most demanding expectations.

Embrace the most advanced technology with the latest generation of superlative flatbed scanners from Dainippon Screen.

Quality and performance, delivered in a rock-solid package

High speed scanning offering exceptionally productivity

The Cézanne Elite features an incredibly high scanning speed. In just one hour, for example, it can scan up to one-hundred-four 35 mm originals at 350 dpi and 400% magnification, or ninety-four 6 x 7 cm originals at 300 dpi and 250% magnification, including the time required for conversion from RGB to CMYK.*

When compared with the previous model, this represents a 40% increase in throughput for 35 mm originals and a 50% increase for 6 x 7 cm originals. Best of all, the Cézanne Elite scans each original at the exact resolution you need, saving valuable time when just a rough scan will do. Prescanning is super-fast and efficient too.

* Obtained when using a Power Macintosh G4/400 MHz model. Actual throughput may differ depending upon your particular system configuration.

Large scanning area for up to A3-plus originals

The Cézanne Elite is an all-in-one scanner capable of scanning almost anything that fits on its scanning bed. It's the answer to every customer's needs.

The Cézanne Elite features an A3-plus scanning bed, which is actually a removable tray, for scanning originals of up to 329 mm x 530 mm. Operators can load the originals to be scanned next on a different tray while the current originals are being scanned.

Multiple originals easily fit on the bed at the same time, for scanning in quick succession. Even A3 size mechanicals, including registration marks, can be placed flat on the Cézanne's bed for scanning at high resolutions.

Ideal for network scanning

Remote setup and operation is available via the ColorGenius EX client/server architecture, enabling client and server programs to run on two different computers for scanning across networks. Another outstanding feature is that different originals can be set up while current originals are being scanned. The Cézanne Elite thus allows operators to receive scanned data in the background while they set up new originals in the foreground using the same computer.

Batch scanning

The Cézanne Elite supports batch scanning. To save time, originals can be prescanned and set up prior to actual scanning. In addition, the Cézanne Elite automatically calculates the shortest path for the CCD array's XY movement, making batch scanning unusually fast and efficient.

Capture high-resolution images

The Cézanne Elite is equipped with a 3-line CCD array that contains 8,000 CCD elements in each line. The advanced CCD array and XY zoom mechanism helps the Cézanne Elite attain its remarkable 589 to 5,300 dpi range of optical resolutions across the entire scanning bed. This allows operators to use the most appropriate resolutions according to the sizes of the originals and the desired enlargement/reduction ratios. Output is possible at up to 20,000 dpi with the aid of the Cézanne Elite's precision interpolation function, and the user can choose among RGB, CMYK, Grayscale, and line art output.

Superlative tone rendition

The high-precision A/D converter guarantees that exquisitely smooth tones will be obtained, rendering subtle details more faithfully, particularly in shadow areas. The advanced gamut mapping applied to output data delivers natural tones across the entire color space. In addition, the newly designed fluorescent light unit utilizes an oval mirror to accurately capture the subtle light intensity variations of transparent originals, broadening the density range in shadow areas, thereby increasing the richness of shadow details. Furthermore, the high performance lateral feed micro-step motor enables every detail in an image to be represented at a high enlargement ratio and dot-for-dot separation film output using the DotFinder software.

Even smarter, more advanced Intelligent Setup functions

Leading-edge Intelligent Setup functions

The ColorGenius EX image processing software continues and improves upon the acclaimed Intelligent Setup functions used with Cézanne scanners. by simply selecting from a wide list of intuitive image subject keywords, such as General, Portrait, Scenery, Machines, ideal image input parameters can be quickly obtained.

Two or more finish-style keywords

Achieving images that faithfully reproduce the originals has never been easier, since as many finish-style keywords as needed may be selected. When multiple keywords such as Sharp and Original atmosphere are selected, the combined conditions of all selected keywords will be applied.

Manual setup functions

For experienced operators, however, a manual setup function may be preferred. The expertise of skilled operators can be accumulated, customized and exploited when configuring the Intelligent Setup, so that attaining superior image quality becomes easy and reliable.

Flexible adjustment of specific colors

Using the specific color adjustment function, colors within a specified area or color range can be easily manipulated, to create colors of greater delicacy and nuance.

Learns from experience

The Intelligent Setup can record the fine adjustments made by operators and, based on this information, anticipate the directions in which adjustments are usually made under various circumstances. Intelligent Setup then automatically applies its acquired knowledge, saving operators future setup time, leaving them free to make any additional, unique adjustments as required. The adjustment information can be saved in separate memory dictionaries for different operators, or for different clients, so you can take best advantage of this versatile feature.

The user-friendly dialog boxes are now even easier to use

Our efforts to make the graphic user interface as rational and easy-to-use as possible have led to a GUI where all operations can be carried out in just one or two dialog boxes. A re-sizable dialog box is another feature that is sure to be appreciated by operators.

Twin Preview

With the Twin Preview window, both the scanned image and the image after applying the currently selected adjustments can be displayed side-by-side in a single split window, or conveniently toggled in the same location in a single window.

Multi-point meter

Multi-point meters allow instant display of exact CMYK color values at selected points in the image. This function now displays RGB or Gray values at two or more locations, making it easy to compare densities at nearby locations.

Optional accessories

deMoiré   Moiré reducing software

Incorporating Dainippon Screen's proprietary algorithm, "deMoiré" effectively reduces the moiré that until now has been an operator's nightmare when capturing certain images. This frees operators from having to re-correct their output, saving both time and tempers. The "deMoiré" function is also easy to operate, and is of equal benefit to non-skilled operators.

deMoiré OFF   »»   deMoiré ON

* Please note that the use of "deMoiré" will require additional time for calculation.

DustaLaVista   Say good-bye to dust and scratches!

DustaLaVista software examines and retouches scanned originals so you can say good-bye to what has, up to now, been a tedious, time-consuming process of hunting for dust and scratches on screen. The productivity enhancements DustaLaVista can provide help keep the Cézanne Elite working at full capacity.
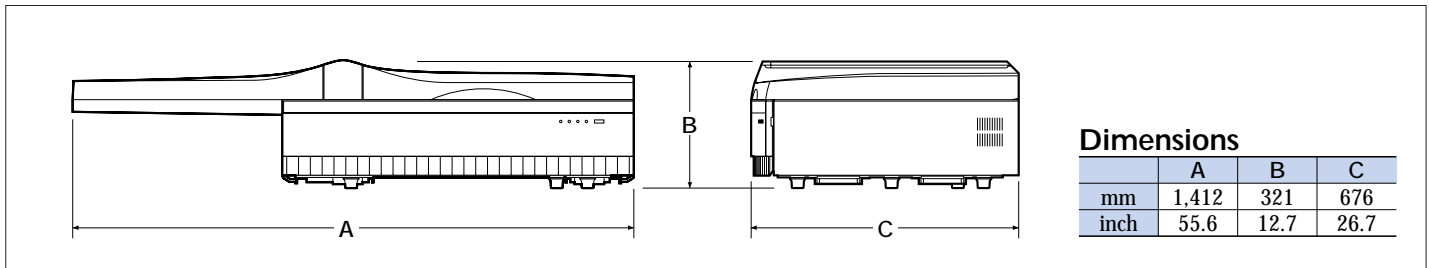
DotFinder   Copydot film scanning

DotFinder software extends the capabilities of the Cézanne Elite scanner's ColorGenius EX software, enabling scanning of separation films. By converting films to data, images can be integrated into a fully digital workflow. Digitizing films also reduces the need for large amounts of film storage space.

Space Requirements

Dimensions

	A	B	C
mm	1,412	321	676
inch	55.6	12.7	26.7

Specifications

Model	Cézanne Elite FT-S5500
Light sensor	3-line CCD array, 8,000 elements/line
Original types	Reflection originals: Color, B&W line art, grayscale
	Transparencies: Color positive, color negative, B&W lineart, grayscale
Effective original size	329 x 530 mm (13.0" x 20.9")
Original thickness	Up to 25 mm (1") including original retaining plate
Optical resolution	Continuous tone: 589 - 5,300 dpi
	Lineart: 600, 1,200, 2,000 dpi
Output resolution	Continuous tone: 20 - 20,000 dpi
	Lineart: 360 - 4,000 dpi
Max. density	4.2 D
Productivity	104 scans/hour* (35 mm at 350 dpi and 400% magnification)
	94 scans/hour* (6 x 7 cm at 300 dpi and 250% magnification)
Scanning speed	Continuous tone: 11 msec/line (max.)
	Lineart: 5 msec/line (max.)
Output color depth	32-bit CMYK, 48-bit RGB, 8-bit grayscale
A/D converter	14-bit ADC
Output File formats	TIFF, EPS, DCS, SCITEX CT, JPEG , YCC (for Kodak photo CDs)
Interface	SCSI 2
Recommended power cord	PI-H05VV-F-C6061 (250V, 6A, 3 x 0.75 mm²)
Power requirements	Single phase 100-230V, 0.2kW 2A(100V)/1A(200V)
Weight	73 kg (160.6 lbs.)
Environment	Temperature: 23 ± 5° C (73.4 ± 9° F) [no sudden temperature changes]
	Relative humidity: 50 to 70% (no condensation)

* With a PowerMacintosh G4/400MHz

Be sure to use a table that can adequately support the scanner's weight (73 kg/160.6 lbs) and is larger than the scanner's base.
Use this scanner on a flat surface subject to little vibration (One Gal or less under 20 Hz, or five Gal or less over 20 Hz) .
To assure adequate ventilation, leave at least 30 cm (11.8″) of space on all sides of the scanner.
Use this scanner in an environment where the air is relatively free of dust, steam, and gases.

Standard accessories

Tray

Masking sheet

Original retaining plate

SCSI terminator

SCSI cable

ColorGenius EX software (Macintosh version)

Optional accessories

Glass tray set

Compound tray set (includes compound tray, four types of original holders, two resin holders, and two mask sheets for the resin holders)

Pin bar set

Oil holder

DotFinder software

DustaLaVista software

ColorGenius EX client software

• *Power Macintosh is a trademark of Apple Computer, Inc.*

• Printed on recycled paper.

We reserve the right to alter product design and specifications without prior notice.