

# Cézanne Elite

Desktop Flatbed Scanner

Input



Innovation & Reliability



# Advanced technology from the latest Dainippon Screen flatbed scanner

TODAY'S WORKPLACE DEMANDS EVER-INCREASING QUALITY AND PRODUCTIVITY. IN RESPONSE TO THE ESCALATING DEMANDS OF CUSTOMERS WORLDWIDE, DAINIPPON SCREEN HAS DEVELOPED THE CÉZANNE ELITE, A SCANNER IN A CLASS OF ITS OWN. A MODEL OF EASE OF USE AND VERSATILITY, THE CÉZANNE ELITE OFFERS PRODUCTIVITY AND QUALITY THAT WILL TAKE YOUR SCANNING OPERATIONS TO A HIGHER LEVEL.

THE CÉZANNE ELITE COMES WITH THE LATEST COLORGENIUS EX IMAGE PROCESSING SOFTWARE, WHICH FEATURES SUPPORT FOR MAC OS X AND AN EVEN EASIER TO USE GUI, AS WELL AS AN ARRAY OF FUNCTIONS THAT MAKE IT EASY TO ACHIEVE SUPERIOR OUTPUT. THE CÉZANNE ELITE OFFERS UNPARALLELED PERFORMANCE THAT WILL EXCEED YOUR HIGHEST EXPECTATIONS.



## Quality and performance delivered in a rock-solid package

### Fast, accurate scanning

#### High speed scanning offering exceptional productivity

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

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

\* Obtained using a Power Macintosh G4/733 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 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 are available through the ColorGenius EX client/server architecture, in which client and server programs run on two different computers, enabling scanning across a network. What's more, since one set of originals can be set up while a different set is being scanned, operators can receive scanned data in the background while doing work related to a new set of 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 help 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 RGB, CMYK, Grayscale, or lineart output.

#### Superlative tone rendition

A high-precision A/D converter guarantees smooth tones, allowing more faithful rendering of subtle details, 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, and thereby increasing the richness of shadow details. A high performance lateral feed micro-step motor enables every detail in an image to be represented at a high enlargement ratio, as well as making it possible to create dot-for-dot separation film output with the aid of DotFinder.

# Even smarter, more advanced Intelligent Setup functions

## Versatile and easy to use

### Cutting-edge Intelligent Setup functions

The ColorGenius EX image processing software builds 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, and Machines, operators can assign ideal image input parameters.

### 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, manual setup may be preferred. The expertise of skilled operators can be accumulated, customized and utilized when configuring Intelligent Setup, making it easy to consistently attain superior image quality.

### Flexible adjustment of specific colors

With the specific color adjustment function, it is easy to manipulate colors within a specified area or color range to create greater color delicacy and nuance.

### Learns from experience

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, and leaving them free to make additional unique adjustments as required. The adjustment information can be saved in separate memory dictionaries for different operators, or for different clients.

### Local storage function for easy image re-use

RGB images can be saved into local storage during scanning, along with a keyword, before they are converted to CMYK. This makes it easy to find and re-use image files.

### Easy to output proofs that simulate the printed finish

During setup with Color Genius EX, the display shows a simulation of how the image will look when printed. It is also easy to create files that can be output on a color printer for proofing. These proofs closely resemble the quality of the printed finish.

\* Not intended for high-accuracy color correction. Automatic output not available.

### Use RGB files from other sources

You can use the setup function in Color Genius EX to import RGB files from other sources and optimize them for printing. Imported images can be batch processed using hot folders with preset setup conditions. There is also a convenient function that allows you to open the RGB images files in each folder.

\* Printed finish depends on original image conditions and setup settings.

### User-friendly dialog boxes – now even easier to use!

Our efforts to make the graphical 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.



### Multi-point meter

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

### Twin Preview

The Twin Preview window makes it possible to display both the scanned image and the image as it will look after the currently selected adjustments are applied, side-by-side in a single split window, or as alternating images that can be toggled in a single window.

## deMoiré Moiré reducing software

"deMoiré," a program that incorporates a proprietary algorithm from Dainippon Screen, effectively reduces the moiré that until now has been an operator's nightmare when capturing certain images. "deMoiré" 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



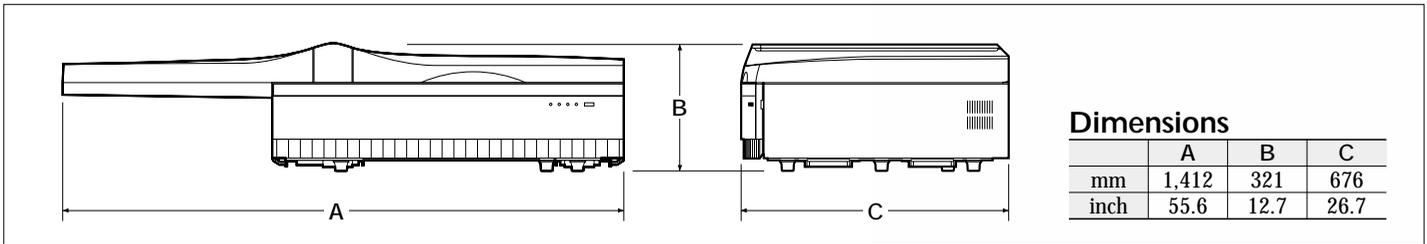
### Say good-bye to dust and scratches!

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. By eliminating the need to stop and check images, DustaLaVista helps keep the Cézanne Elite working at full capacity.

## Dotfinder Copydot film scanning

DotFinder extends the capabilities of the Cézanne Elite scanner's ColorGenius EX software by enabling the scanning of separation films. Converting films to data makes it possible to integrate images into a fully digital workflow. Digitizing films also reduces the need for large amounts of film storage space.

## Space requirements



## Cézanne Elite specifications

Model	Cézanne Elite FT-S5500
Light sensor	3-line CCD array, 8,000 elements/line
Original types	Reflection originals: Color, B&W lineart, 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 to 5,300 dpi Lineart: 600/1,200/2,000 dpi
Output resolution	Continuous tone: 20 to 20,000 dpi Lineart: 360 to 4,000 dpi
Maximum Density	4.2 D
Productivity	108 scans/hour* (35 mm at 350 dpi and 400% magnification) 102 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 (250 V, 6 A, 3 x 0.75 mm <sup>2</sup> )
Power requirements	Single phase 100 to 230 V, 0.2 kW 2 A (100 V)/1 A (200 V)
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 G4/733 MHz

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

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Internet web site: [www.screen.co.jp](http://www.screen.co.jp)

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