

EPSON®

EXPRESSION™ 10000XL

GRAPHIC
ART
SCANNER



The Scanner for Professional Graphic Artists, Designers and Business Users

- **Improved Image Quality** – new 2400 x 4800dpi with Matrix CCD technology and Auto Focus
- **High Optical Density of 3.8** – rivalling many dedicated drum scanners
- **Flexible Scanning** – Up to A3 size for a variety of scanning applications
- **High Speed** – optional moving carriage type Transparency Unit (TPU) with new lamps for faster film scanning



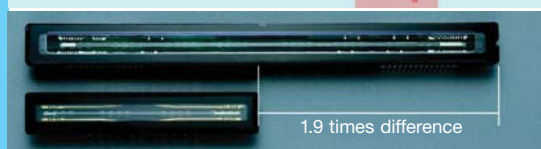
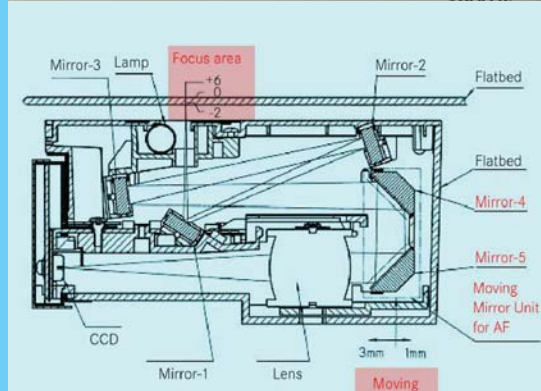
EPSON's **EXPRESSION™** 10000XL A3 scanner has been designed for demanding graphic art and business users. With its 2400dpi resolution, 3.8 optical density, network connectivity and high speed scanning capability, the **EXPRESSION 10000XL** is the scanning solution for the scanning perfectionist.



High Image Quality

With an improved Matrix CCD (Charge Coupled Device) technology the EPSON EXPRESSION 10000XL's 2400 x 4800dpi resolution scans exhibit incredible levels of detail and gradation reproduction. This is particularly evident in the output from transparency and negative scans, where the original is slightly elevated from the glass by one of the scanner's bundled film holders. By utilising an advanced Auto Focus optics system, the scanner automatically determines the optimal pinpoint focus up to 6mm above the glass.

Rivalling the quality of many drum scanners, the EPSON EXPRESSION 10000XL has a maximum optical density of 3.8, ensuring high-quality print-ready negative and transparency scans can be made within the graphic arts studio. This results in saving of time and money.



A3 Size Scanning

For graphics professionals, the EPSON EXPRESSION 10000XL's ability to scan at any size up to A3 is a major benefit. Now, documents such as brochures, magazine spreads and CAD / GIS drawings up to A3 can be scanned in a single pass. Adding further to its broad scanning flexibility is the two-up A4 scanning, and with an optional Auto Document Feeder (ADF), the time-consuming task of scanning multiple page downloads is simplified.



High Speed Scanning

Quality without compromising speed is one of the EPSON EXPRESSION™ 10000XL's greatest advantages. With a High-Bright Xenon Lamp for zero warm-up time, a new bluish lamp to increase scanning speed for negatives, and on-board ASIC (Application Specific Integrated Circuit) for image processing, the EPSON EXPRESSION 10000XL delivers the speed and performance required in the most demanding of graphic arts environments.



Film Scanning

The EPSON EXPRESSION 10000XL optional Transparency Unit (TPU) makes incredibly light work of scanning multiple negatives and transparencies. With bundled film holders, powerful scanning software and optional moving carriage TPU the EXPRESSION 10000XL delivers simultaneous scanning of up to:



2 x 24 frames of 35mm strip film

OR



2 x 15 frames of 35mm mounted film

OR



2 x 6 frames of medium format 120 / 220 (6 x 18cm) strip film

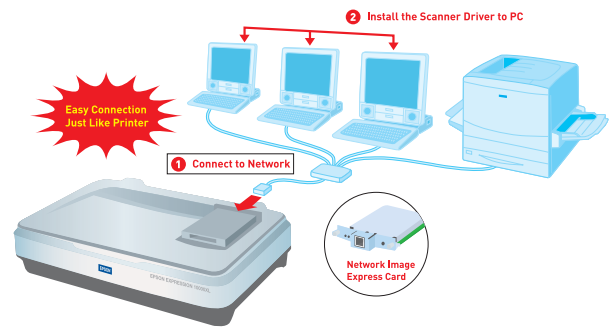
OR



2 x 4 frames of 4 x 5 inch film

Highly Flexible Connectivity

Along with the standard USB 2.0 and IEEE1394 (FireWire®) interfaces for high-speed data transmission, the EPSON EXPRESSION 10000XL can be connected directly to a local area network using the optional Network Image Express Card. In environments where multiple users require access to the scanner's speed, quality and versatility this represents a major benefit in productivity, and a saving of time and money.



Total Control

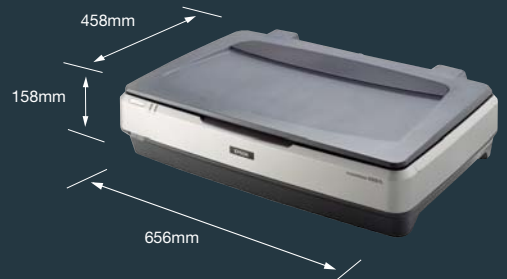
With the EPSON EXPRESSION 10000XL, the user has total control over the entire scanning process – from initial scanning right through to image editing. The EPSON Scan driver features Colour Restoration, Dust Removal and Grain Reduction functions to improve the appearance of scanned images. These images are processed in the ASIC hardware to reduce the scanner's dependence on the PC's processor and RAM capacity.



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EPSON EXPRESSION™ 10000XL Specifications



14.5Kg

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06/04

EPSON EXPRESSION 10000XL B11B168031

SCANNER TYPE Flatbed A3 colour image scanner

SUB-SCANNING METHOD Movement of the carriage

PHOTOELECTRIC DEVICE Alternative 6 line CCD (94,500 pixels)

DOCUMENT SIZE

SCANNING PLATEN 310 x 437mm

TRANSPARENCY UNIT 309 x 420mm

AUTOMATIC DOCUMENT FEEDER 297 x 432mm

LIGHT SOURCE Xenon gas fluorescent lamp

OPTICAL RESOLUTION

Main: 2,400dpi (optical resolution by 6 line CCD with 87,840 pixels) Sub: 4,800dpi with Micro Step

OPTICAL DENSITY 3.8 Dmax

OUTPUT RESOLUTION

50dpi to 12,800dpi (in 1dpi step)

ZOOM 50% to 200% (in 1% step)

PIXEL DEPTH 48 bit internal 24 bit external

SCANNING SPEED

1,200DPI REFLECTIVE DOCUMENT

LINE ART 2.7 msec / line

GRAYSCALE 2.7 msec / line

COLOUR 8.0 msec / line

2,400DPI REFLECTIVE DOCUMENT

LINE ART 5.3 msec / line

GRAYSCALE 5.3 msec / line

COLOUR 16.0 msec / line

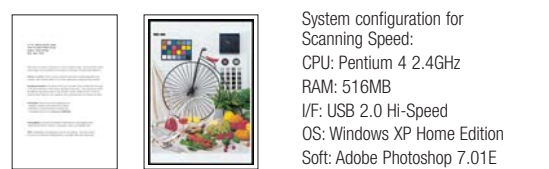
TRANSPARENCY DOCUMENT

POSITIVE FILM 16.0 msec / line

NEGATIVE FILM 16.0 msec / line

SCANNING SPEED DATA PATTERNS

The thumbnails below show the scanning patterns used to determine scanning speed specifications.



*1 Black Text (MEMO) A4
*2 Photo A4 (image 8" x 10") (photo courtesy of ISO/JIS/SCID. Reprinted by permission.)

System configuration for Scanning Speed:
CPU: Pentium 4 2.4GHz
RAM: 516MB
I/F: USB 2.0 Hi-Speed
OS: Windows XP Home Edition
Soft: Adobe Photoshop 7.01E

IMAGE PROCESSING FUNCTIONS

GAMMA CORRECTION CRT 2 Level (A, B)
Printer 3 Level (A, B, C)
User Defined Table

COLOUR CORRECTION Impact-Dot Printer
Thermal Printer
Inkjet Printer
CRT Display
User Defined Matrix

BRIGHTNESS 7 Level
LINE ART Fixed Threshold
TET (Text Enhanced Technology)
Digital Half Toning
Error Diffusion (A, B, C)
Dither (A, B, C, D)
User Defined Dither (A, B)

AREA SEPARATION AAS (Auto Area Segmentation)

SUPPORTED PLATFORMS

USB 1.1 Microsoft® Windows® 98 / Me / 2000 Professional / XP Home Edition / XP Professional (Pre-installed model or upgrade of Windows® 98 / Me / 2000 Professional pre-installed model)

USB 2.0 HIGH-SPEED Mac OS® 9.1 or later, Mac OS® X 10.2 or later Microsoft® Windows® XP Home Edition / XP Professional / 2000 Professional (Pre-installed model or upgrade of Windows® 98 / Me / 2000 Professional pre-installed model)

IEEE1394 (FIREWIRE) USB 2.0 Host Driver by Microsoft is required Mac OS® X 10.2.7 or later Microsoft® Windows® Me / 2000 Professional / XP Home Edition / XP Professional

INTERFACE Mac OS® 9.1 or later, Mac OS® X 10.2 or later USB 2.0 High-Speed (standard) IEEE1394 (standard) Network Option

ENVIRONMENTAL CONDITIONS

TEMPERATURE 5°C to 35°C (operating)

-25°C to 60°C (storage)

HUMIDITY 10% to 80% without condensation (operating)

10% to 85% without condensation (storage)

ELECTRICAL SPECIFICATIONS

VOLTAGE Universal Power Supply AC100-120V AC220-240V

FREQUENCY 50 to 60Hz

POWER CONSUMPTION Approx. 45W (operating without Option unit)

Approx. 55W (operating with Option unit)

Approx. 6W (Sleep mode without Option unit)

BUNDLED SOFTWARE

EPSON Scan 2.2*

SilverFast Ai6*

Photoshop Elements 2*

*Supported on Mac OS X native 10.2 or later

OPTIONS

AUTO DOCUMENT FEEDER B12B813213

NETWORK IMAGE EXPRESS CARD B12B808392

A3 TRANSPARENCY UNIT B12B813363

A3 TRANSPARENCY UNIT

RELIABILITY: 100,000 cycles for the MCBF

DOCUMENT: 35mm strip film

35mm slide

Medium format (120 / 220)

6 x 18cm strip film

4 x 5 inch film

Films up to 12.2 x 16.5 inch

309 x 420mm

Width: 656mm

Depth: 60mm

Height: 40mm

Weight: Approx. 6kg

A3 AUTOMATIC DOCUMENT FEEDER

PAPER SETTING QUANTITY: 100 pcs (80g/m² paper, maximum total thickness under 12mm)

RELIABILITY: 100,000 sheets (Load / Eject MCBF)

DIMENSIONS: Width: 605mm

Depth: 488mm

Height: 134mm

Weight: Approx. 13kg

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