

ioXTREME

FOR ADOBE® PHOTOSHOP®

- Instantly increase RAM by 80GB by using ioXtreme as virtual memory
- Several times faster than standard SSD's
- Easy installation and management

Fusion-io, the thought leader in solid state storage, brings the world's fastest storage to the high performance PC's and workstations of image artists who work with high-resolution images, large format printing, photo retouching, and other large file work.

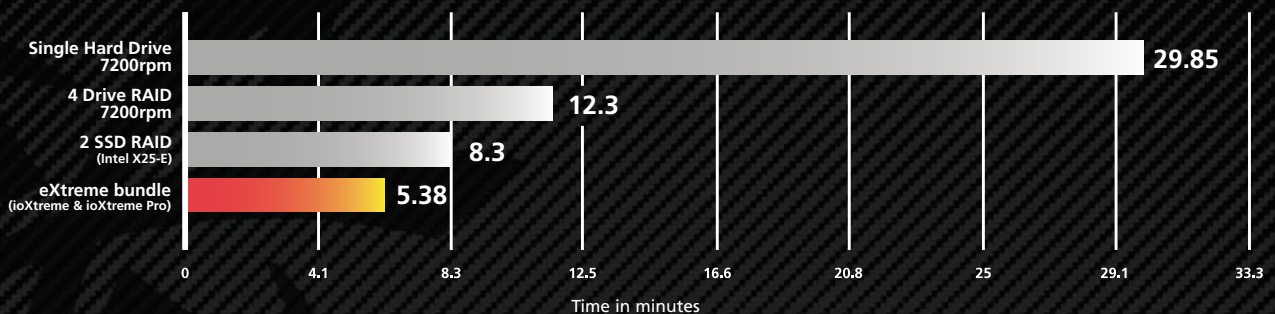
The ioXtreme and ioXtreme Pro dramatically improve application performance, including load, manipulation and save times. This allows artists and designers to focus on their craft, making them more productive and profitable while giving them back time to focus on creativity.

The results from two independent tests that compared the ioXtreme against a variety of alternatives, including a four-drive high-performance disk array and an SSD RAID.

Test 1 results illustrate how the ioXtreme improves overall productivity, scripting the following actions on a 5000 x 3000 pixel 4-layer uncompressed TIF file (543MB).

- Flattened the image
- Resized to 40,000 x 24,000
- Converted to ProPhoto RGB
- Rotated 90 degrees 4 times
- Converted to LAB color mode
- Inverted L channel
- Inverted A channel
- Inverted B channel

The graph below depicts Test 1's results:



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* Testbed: Quad-Core Intel Core i7 3.2GHz, ASUS P6T6 Motherboard, 8GB DDR3-1333 RAM, Quadro FX5800 Graphics Card.

ioXtreme

The table below shows the full results of Test 1:

	ioXtreme	1 HDD	4 HDD	2 SSD
Total Time in seconds	323	1,791	738	498
Flatten Image	0.3	0.4	0.4	0.3
Resize Image to 40,000 x 24,000	12	18	12	11
Convert to ProPhoto RGB	54	258	96	83
Rotate 90	37	233	119	63
Rotate 90	44	261	119	66
Rotate 90	44	268	89	66
Rotate 90	44	267	122	66
Convert to LAB color mode	49	256	94	76
Invert L Channel	11	57	24	17
Invert A Channel	13	75	29	22
Invert B Channel	16	99	33	27

Test 2 demonstrated how the ioXtreme's improvements grow with file size. For increasing file sizes, this test scripted the actions of opening a file, rotating it 90 degrees, and saving it as a new file.

The graph below depicts Test 2's results:

