



Large Format Scanner!

Why not a Camera?

The Question...



Large format scanners are similar to cameras because they produce image files from two-dimensional originals that can be viewed on a computer.

- So why do we need large format scanners?
- What's the difference?
- Why can't a camera be used to do the same job – it's a lot cheaper!

Answer #1

LIGHTING – a large format scanner requires no special lighting conditions or setting up to produce perfectly contrasted images. Large format scanners light the image very close to the original for perfectly exposed results and minimal image disturbance from folds and creases.



Large format scanner



Camera



Answer #2

ACCURACY – a large format scanner is calibrated to provide length accuracy to within 0.1% and line quality to within +/- 1 pixel. Large format scans can be used for direct estimation work using the scale from the original drawing.



Large format scanner



Camera



Answer #3

MOUNTING – a large format scanner does not need the original to be laid flat, hung on the wall or kept flat under glass to be perfectly captured.



Large format scanner



Camera



Answer #4

SPEED – a large format scanner can process one A0 document every 12 seconds at 600dpi. Setting up a camera can take many minutes of preparation.



Large format scanner



Camera



Answer #5

RESOLUTION – a large format scanner will produce crystal sharp images at up to 600dpi without distortion. The final resolution from even a high quality camera may be less than 150dpi when used for an A0 original.



Large format scanner

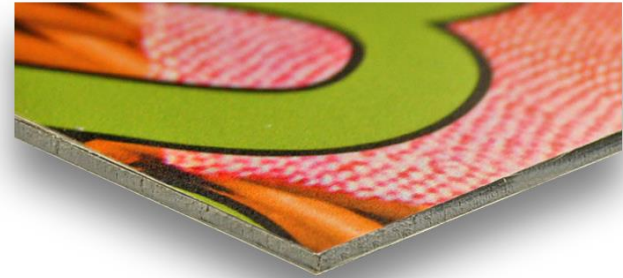


Camera



Answer #6

SUBSTRATE FLEXIBILITY – a large format scanner can process opaque, high gloss and transparent originals with ease. Even originals mounted on card or board can be scanned (requires thick media model).



Large format scanner



Camera



Answer #7

COLOUR CONTROL – a large format scanner can produce colour images in sRGB, Adobe RGB or machine color spaces depending on the requirements. Colour management even extends through to the colour printer if using the scanner for copying or physical hard copy reproduction.



Large format scanner



Camera



Answer #8

DISTORTION – a large format scanner will produce images free from lens barrel distortion and warping. No Photoshop knowledge or specialist software is required to correct for camera lens distortion.



Large format scanner



Camera



Answer #9

QUALITY CONTROL – a large format scanner will allow 1:1 viewing of the scanned images seconds after the document has been scanned. Compression can be lossless or lossy and controlled through the scanning software.



Large format scanner



Camera

