



Test Report SilverFast Multiexposure and Scanner Dynamic Range for Canon CanoScan 8600F

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Introduction

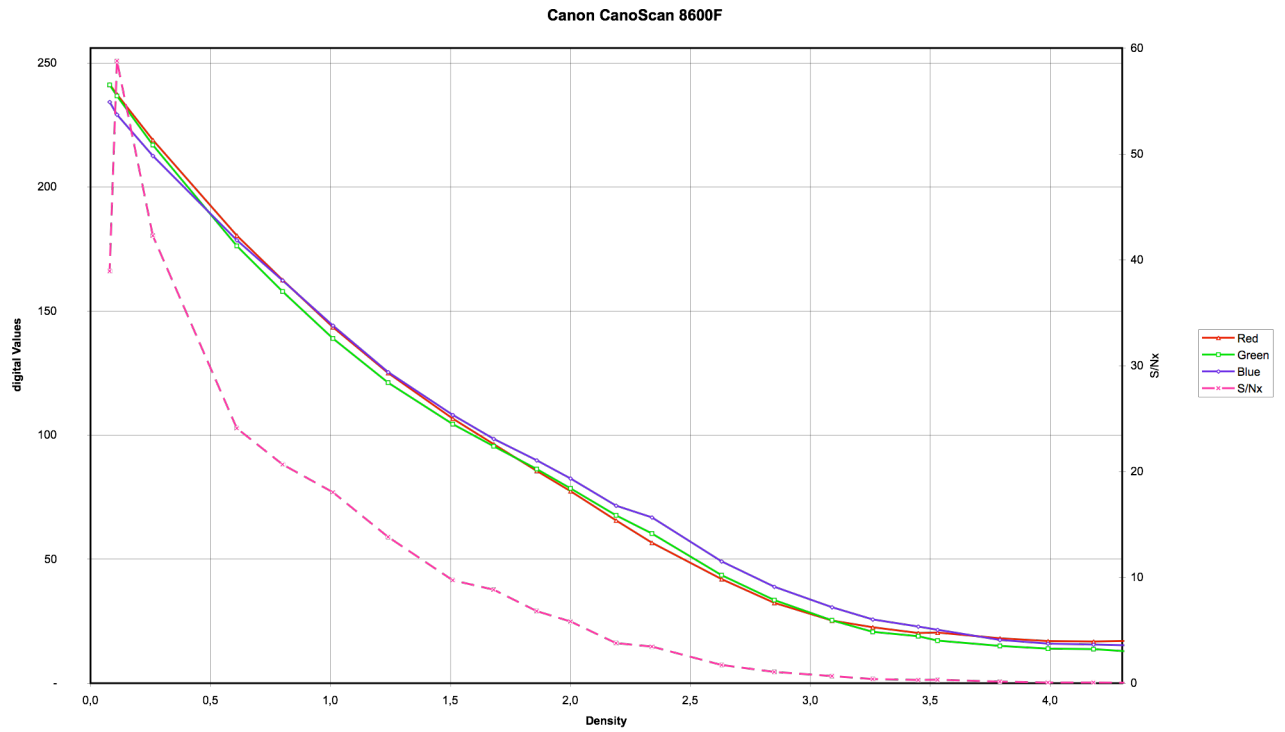
In Version 6.5 of the scan software SilverFast by LaserSoft Imaging® a feature called Multi Exposure was added to increase the dynamic range of scanners.

For scanners that offer different exposure times multiple images are scanned with at least one image at each exposure time. These images are combined to a high dynamic range image.

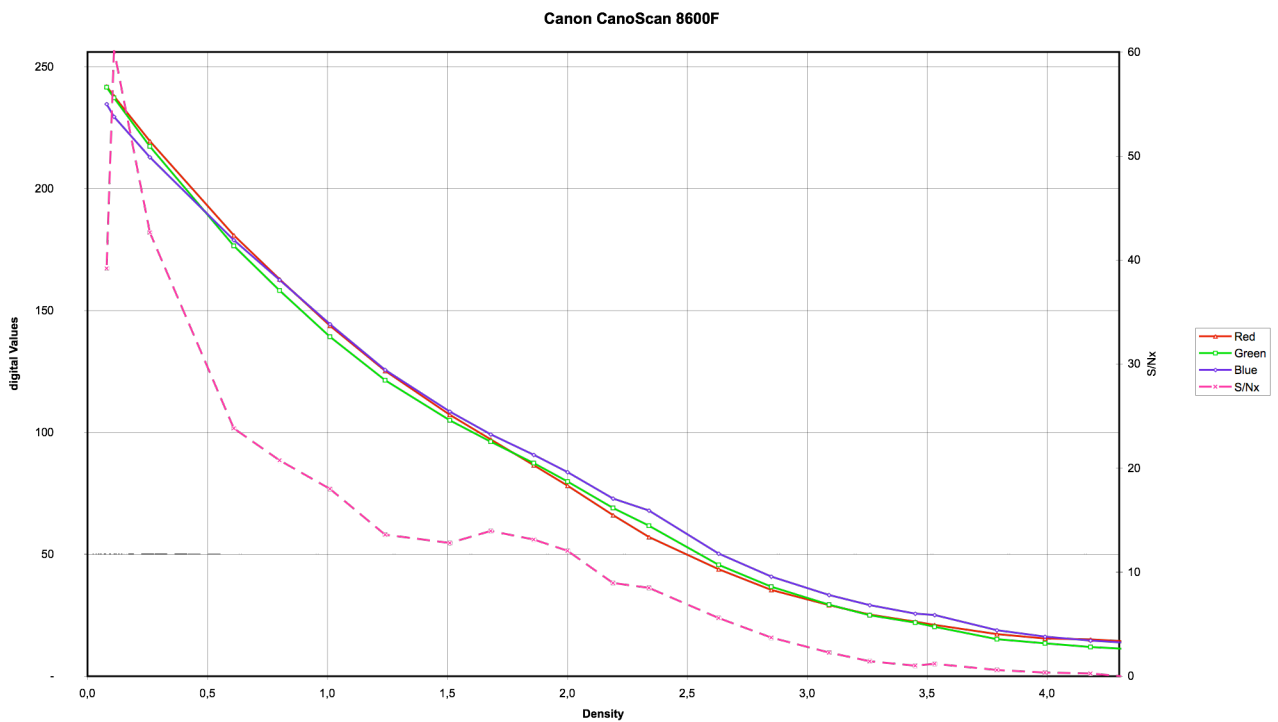
This study was made to evaluate the dynamic ranges achieved by using this technology and compare the result to a single scan. To determine the dynamic ranges the method described in ISO 21550 was used.

Evaluated Scanner

Canon CanoScan 8600F



The OECF and dynamic range achieved with a single scan.



The OECF and dynamic range achieved with a multi exposure scan.

Measured Dynamic ranges

If a scanner provides multiple exposure levels the Multi Exposure feature of SilverFast increases the dynamic range.

Multi Exposure	without	with
Canon CanoScan 8600F	2,89 D	3,62 D

Values in densities

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