3. About ICS

ICS is the first version of an upcoming ICC compatible color management system (CMS) including profiling software for various types of devices (scanners, monitors, printers, video cameras,...).

ICS uses rather complex but very easy to use methods to color correct scanners. ICS does color correct images using complex color appearance models and gamut mapping procedures for a wanted monitor/standard (sRGB, PAL, NTSC...).

The current version of ICS allows calibrating any type of color scanner (incl. slide scanners) using color calibration targets according to the IT 8.7 standard. IT 8.7 Targets from Kodak, Agfa and Fuji are supported. ICS also supports additional targets shipped by some manufacturers with their scanners (Epson) or software (Corel).

ICS can work independent of any kind of scanner software. So your scanner software must not support ICS in order to make use of ICS! However, it is more comfortable if your scanner software automaticly calls ICS for color correction during scanning of the image. Currently ScanQuix V4 and ScanTrax V2.2 are the scanner drivers supporting ICS directly. There is also an ImageFX hook module available from the ftp site of the ImageFX manufacturer (`ftp.novadesign.com`). Other scanner drivers should follow shortly. Contact your scanner driver author in order to get ICS supported directly.

For programmers: ICS support can be added to your software in a couple of hours (not days). Programmer documentation is shipped with ICS in the `Programmer` drawer.

Development time of this software so far: nearly 2 years.

3.1 Thanks to ...

I would like to thank Kuo Wei Lee from Primax (Taiwan) for documentation and other goodies.

Martin Sprenger for lending me the Epson V1 color target so I could measure it and get it supported.

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Brian Strayer providing the necessary information about the CorelDraw 5 calibration target shipped with many HP scanners.

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Salva Fernandez for lending me the Epson V2 color target so I could measure it and get it supported.

Wolf Faust, June 1999.

3.2 The Future of ICS

Because of the current Amiga situation, this chapter seems necessary. Currently ICS is usualy provided for free or for a small fee. The development costs of ICS is a good 6 digit number (and surely not in Italian currency).

If there is no response from ICS users, I will assume there is no interest in ICS and I will continue the development on a different plattform. In order to pay the extremly high development costs, ICS will also be ported on different plattforms.

I hope to add ICC profile format support within this year. ICS should also soon support color measuring devices (for instance, X-Rite's Swatchbook and Monitor Optimizer).