

can:connect

The software system for processing and comparing multispectral datasets

can:connect controls the components **can:scan** and **can:view** allowing the user to evaluate and compare multispectral datasets as well as to create measurement protocols. **can:connect** offers spectral information for every pixel of the measured objects surface. Colour-shifting of patterned surfaces due to changing light conditions or observer metamerism can therefore be easily detected and evaluated.

can:connect analyses the spectra measured with **can:scan** outputting them as CIELAB-values to each monitor. Since the human eye perceives colours differently depending on the particular light conditions, **can:connect** also takes into account the effect of residual ambient light the monitor is exposed to at the location of the **can:view**. The software also visualises metameric effects. Means, **can:view** can immediately distinguish if two colour tones looking identical under a standard lightsource will differ under another type of illumination.

Advantages

- Exact measurements of complex, patterned surfaces anywhere, any time where **can:connect** is available.
- Freely variable measuring points (from one pixel to complete image area).
- Display of digital patterns for various light sources and observers.
- Image export for various illuminant/observer combinations (.aix to L*a*b*-TIFF, 8/16 bit).
- Simple operation for use in quality control.
- Assessment using a simplified traffic light system „passed/failed“.
- Detailed and comprehensive measuring report supplied as quality verification for the customer.
- Full automatised and very efficient chart reader for ICC profile creation - especially for profiling complex patterned substrates.
- Supports all standard measurement file formats (*.iso, *.txt, *.cxf, *.qtx etc).

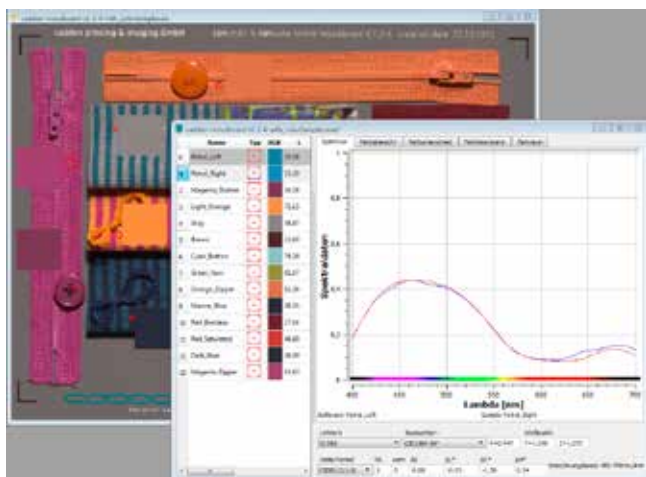
Embedded Metadata

Our multispectral datasets and the generated L*a*b*-TIFFs contain additional metadata embedded as a „Tag“ in every file. All image parameters are therefore saved. This feature allows to control the conditions under which the image was edited and acts as a process security measure. Since Adobe’s open XMP standard is used, the data can also be used in database-based systems and any other applications.

Modular structure

can:connect is modular, so not all components are always required. It is possible to use the can:view without can:scan if, for example only one scanner is available, but several persons in different places are busy with evaluations.

In case a can:view is used only to test proofs from the graphic industry, the **SCANNER**-module is not required.



can:connect basic modules

	can:scan	can:view	Description
DISPLAY		•	Displaying multispectral data and L*a*b*-TIFFs in high quality mode.
PROFILE		•	ICC-libraries for generating high-quality ICC-profiles for the can:view.
CALIBRATE MONITOR		•	can:view monitor calibration and profiling.
CHKPROF		•	quality-check of the can:view’s monitor profile.
MEASURE	•	•	Measurements from multispectral datasets.
CONVERT	•	•	Conversion of multispectral datasets to L*a*b*-TIFF.
SCANNER	•		Capturing multispectral data with can:scan.

Optional modules

Optional can:connect-modules offer a variety of possibilities such as barcode scanners for automatised file-naming of multispectral datasets, chartreader, direct connections to RIP- and production systems of well known vendors etc.

Contact us. We will be happy to consult you!

