



Overview

Product name	camSPECS V2
Principle	Illumination box with narrow-band interference filter

Features

Illumination box

Light source	Halogen (24V / 250 W) Osram 64657 HLX
Durability of light source	300 h
Color temperature	3550 K
Wavelength range	380 - 760 nm (10 nm steps)
Bandwidth	10 nm
Diameter interference filters	10 mm
Diameter ND filters	6 mm

Software

System requirements	PC with Windows 7 operating system (or higher)
Functions	<ul style="list-style-type: none"> • Spectral sensitivity measurement • Creation of ICC profiles • Use of 2D- and 3D-MLUT for profile creation • CIECAM16 implementation for profile creation • Test procedure for evaluating CCMs with different training data • RAW file* processing / dark frame subtraction / batch processing • Validation by comparing camera and predicted RGB values • Generation of Color Correction Matrices (CCM)



- Visual evaluation of ICC profiles with real images
- Export all results to XML or plain text files

General description hardware

Stabilized power supply	Automatically adjustable 100 -240 V, 50-60 Hz
Power input	~ 300 W
Dimensions [W x H x D]	295 x 255 x 520 mm
Weight	7 kg
Scope of delivery	Software Calibration file 1 replacement bulb Spectroradiometer EX1 for calibration

* In this context, Image Engineering uses the term "RAW file" for files that are created by a digital camera in "RAW-Mode" and are readable by the software dcrw. This does not include RAW-files that do not follow any readable image file format. You will have to convert these files to e.g. 16 bit linear tiff first.