



Overview

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

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	22 mm
Diameter ND filters	12 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 Calibration device

* 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 ddraw. 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.