



## Overview

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

## Features

### Illumination box

Light source	Halogen (24 V / 250 W) Osram 64657 HLX
Durability of the 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"> <li>• Spectral sensitivity measurement</li> <li>• Creation of ICC profiles</li> <li>• Use of 2D- and 3D-MLUT for profile creation</li> <li>• CIECAM16 implementation for profile creation</li> <li>• A test procedure for evaluating CCMs with different training data</li> <li>• RAW file* processing/dark frame subtraction/batch processing</li> <li>• Validation by comparing camera and predicted RGB values</li> </ul>



- 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 One replacement bulb Calibration device

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