AEON Camera Calibrator (ACC)

Machine vision measurements according to EMVA 1288

The AEON* Camera Calibrator (ACC) is a modular optical system designed to test machine vision cameras based directly on the measurement parameters outlined in the EMVA (European Machine Vision Association)1288 standard.

Main Features

- Conduct all EMVA 1288 measurements
- Available in two sizes
- Measure sensors with diagonals up to 80 mm
- Adjustable LED light sources
- Evaluation software**

Measurement Possibilities

The ACC can conduct all measurements specified in EMVA 1288 (version 4.0), including linearity, noise, sensitivity, spatial inhomogeneities, and dark current. Numerous test results can be derived from these measurements, including maximal signal-to-noise ratio, dark noise, dynamic range, non-linearity, absolute gain factor K, and absolute sensitivity threshold and saturation capacity.

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At a Glance	ACC2	ACC4
Largest Sensor	80 mm	18 mm
Standard light source	Pulsed, current-controlled LEDs (4 or 8 colors) | Pulsed or current-controlled LEDs (4 colors)	
Calibration	Split optical path with built-in calibrated photodiode	
Usable cameras	Linear/non-linear, monochrome/color/multispectral, area/line cameras	
Overall dimensions (LxWxH)	935 x 130 x 140 mm	298 x 79 x 65 mm

AEON-250401

*Learn more about our partnership with AEON on our website.
**AEON's heurisko® image processing platform powers software.