

Imatest Master

Reinventing the standards for image quality testing

Comprehensive image quality testing.

Test everything from sharpness and distortion to color and illumination with Imatest Master.

5.2 New Features and Enhancements:

- ON Semiconductor DevwareX support for this advanced image sensor interface software, which replaces Devware. Support for the APbase image acquisition API.
- Decompanding for the proper processing of piecewise linear (PWL) companded RAW files, which can extend sensor dynamic range by allowing different tonal curves for ranges of digital output values.
- Contrast Detection Probability (CDP) from Contrast Resolution chart using low-contrast path triplets to calculate the draft IEEE P2020 metric. CDP is a metric for the distinguishability from two input light levels through an imaging system.
- Improved Color/Tone Module Interfaces – Chart selection is clearer and more robust:
 - Color/Tone Setup is the new name for Multicharts (interactive).
 - Color/Tone Auto is the new name for Multitest (fixed).
 - Hyperbolic Wedge and Siemens Star analyses

R&D Solutions:

- Analyze over 30 popular test charts with different features for color, tone, sharpness, noise and many other image quality factors.
- Faster, more efficient and more reliable than creating in-house software.
- Direct image acquisition cuts out several steps in the image quality testing process.
- Continuous reload and analysis enables real-time viewing of parameter adjustments on various aspects of system performance.
- Test for a variety of image quality factors at once using SFRplus or eSFR ISO, and reduce the amount of time spent switching between charts

Featured Modules:

- SFRplus: Assess many image quality factors using one specially designed test chart.
- eSFR ISO: Assess many image quality factors from enhanced versions of the ISO 12233:2014 test chart.
- SFR: Inspect any slanted edge feature