
Imatest Master

Image Quality Analysis

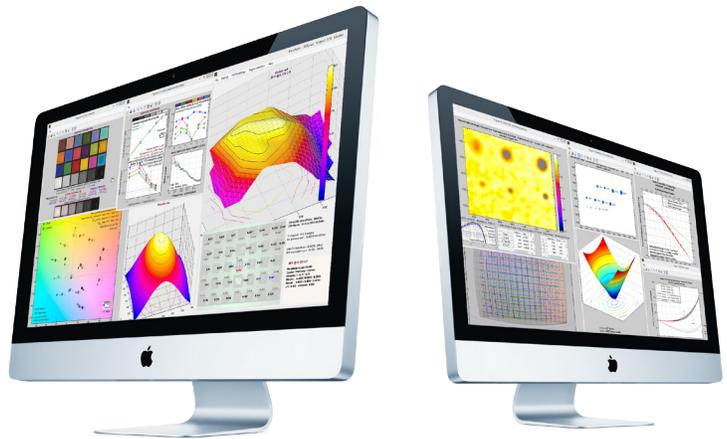
Why Imatest Master?

In today's rapidly changing imaging industries, companies feel the pressure to produce cameras at a fast pace that have a higher quality and newer features than the generation before them. Millions of dollars are spent each year developing more capable cameras, so it should follow that companies focus just as heavily on the quality of their image testing software.

Using the ISO standards alone as a guide, internally produced testing software is less than optimal and many companies fail to test their product's image quality completely and accurately. Imatest Master meets this challenge with a time tested suite of software modules to address your company's image quality testing needs for nearly any conceivable type of camera, including the ability to analyze over 30 popular test charts with different features for measuring color, tone, sharpness and many other image quality factors.

“ We decided to leverage Imatest, a de facto industry standard, instead of developing our own image quality testing metrics. ”

Signal Processing Software Manager
at a Leading Semiconductor Firm



Selected Features:

- SFRplus tests a large array of image quality factors using one specially designed test chart.
- SFR can analyze any slanted edge feature such as those appearing on the ISO-12233 Test Chart.
- Rescharts analyzes several resolution test charts (Wedge, Random, Star) using an interactive interface.
- Multicharts analyzes color and tone using charts composed of grids and radial rings of patches.
- Even Field Test detects blemishes and defect pixels on the sensor and measures color and illumination uniformity.
- Dot Pattern tests for distortion and chromatic aberrations using a simple grid of dots.

Benefits:

- Imatest Master is faster, more efficient and more reliable than creating in-house software.
- Imatest Master is updated frequently according to the feedback from our customers, so that you can be certain that you are using the best possible image quality testing on the market.
- Our unique SFRplus chart combined with Imatest Master allows users to test for a variety of image quality factors at once, reducing the amount of time spent switching between charts.
- Many of the algorithms we utilize are designed to simulate the human visual system giving you objective results that correlate with subjective testing.