

Open Source No-Reference Toolset Moving Image Quality Forward in New Ways!

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Image quality is a measure of the perceived goodness (or degradation) within an image. Common measures of image quality have generally been based on the fidelity of a test image to a corresponding original scene or perfect image. In the context of photo capture scenarios, image quality is the

stand alone quality of photos taken by a device. Smartphones and tablets are increasingly becoming primary cameras for consumers. Mobile device vendors are striving at differentiating through camera capabilities and

delivered quality of captured photos and videos. Camera quality is driving consumer preference in mobile device purchasing and impacts popular consumer usage models like photo and video sharing (Instagram, Facebook, Vine, etc.) and video conferencing. The Video Quality Experts Group has had a long history of driving innovation around algorithm and tool development mapped back to users' expectations.

Emerging consumer paradigms are driving the requirement to dynamically adapt and refresh the status quo within VQEG's projects, especially in the imaging space. The changes continue with the offering of an open source no-reference image tool set called VIQET (VQEG Image Quality Evaluation tool). True collaboration can only happen when open source technologies are contributed to a talented pool of innovators. It is for this reason that a preview release of VIQET has been added to www.GitHub.com/VIQET. The current version of the



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algorithm is embodied in a desktop tool and the installer can be found at: <https://github.com/VIQET/VIQET-Desktop/releases>. The actual open source code for the algorithm can be found at: <https://github.com/VIQET/VIQET-Desktop>.

The VQEG group is inviting not just members of VQEG, but everyone in the industry and academia to contribute to this new open source image quality toolset.