This archive (CCRIQ2) contains the supplement to the Consumer-Content Resolution and Image Quality (CCRIQ) Dataset. For details on CCRIQ, see the following paper:

[“Impact of camera pixel count and monitor resolution perceptual image quality,” IEEE Colour and Visual Computing Symposium (CVCS), Aug. 2015.](https://www.its.bldrdoc.gov/publications/2820.aspx)

By Michele A. Saad, Margaret H. Pinson, David G. Nicholas, Niels Van Kets, Glenn Van Wallendael, Ralston Da Silva, Ramesh V. Jaladi, and Philip J. Corriveau

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Main idea of this dataset is to compare various devices equipped with cameras spanning

wide range of resolutions (from 1 MP up to 20 MP).

There are 23 devices including: tablets (2 devices), smartphones (11 devices), compact

cameras (6 devices) and DSLRs (digital single-lens reflex cameras; 4 devices). Each of

them is distinguished by subsequent alphabet letter (from A to X) and short codenames

appended to the filename. In total, there are 88 images.

Letters distribution is as follows:

* A, G, H, I, L, M, N, Q, R, S, V - smartphones,
* D and J - tables,
* F, K, U, X - DSLRs,
* B, E, O, P, T, W - compact cameras.

Short codenames for devices go as follows:

* tab for tablets,
* phon for smartphone,
* dslr for DSLR,
* compct for compact camera.

4 scenes were tested, but not each of them was captured with each camera:

* BouquetPastel,
* DenverBotanicGardensRocks,
* PipesNight,
* Senior.

In general, file naming convention is as follows:

Name\_#\_type\_Rmp

Name - scene name (e.g., "BouquetPastel" or "DenverBotanicGardenRocks")

# - letter related to camera (A to X)

type - type of camera (e.g. "phon" or "dslr")

R - resolution of a device (e.g. 1 or 5 [in units of megapixels])

For example, file with "BouquetPastel" scene taken with compact camera C, having the

resolution of 5 MP, is called "BouquetPastel\_C\_compct\_5mp.jpg".

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Certain products, technologies, and corporations are mentioned in this data archive to describe aspects of the cameras that were used to create the CCRIQ dataset. The mention of such entities should not be construed as any endorsement, approval, recommendation, prediction of success, or that they are in any way superior to or more noteworthy than similar entities that were not mentioned. The CCRIQ dataset does not provide a fair product comparison and should not be used for that purpose.

The CCRIQ dataset is distributed royalty free for research and development purposes. See the Consumer Digial Video Library (CDVL, [www.cdvl.org](http://www.cdvl.org)) for licensing terms.