

KharkivInet_jpgPairs10 dataset

General description:

Link: [Dataset_KharkivInet_jpgPairs10](#)

Equipment: different unknown equipment

Format and size of the images: **JPG** with different compression degree

Number of image pairs: 10 image pairs

Dataset content: the images collected from the internet (open access).

These images in a pair contain the same objects, but differ in:



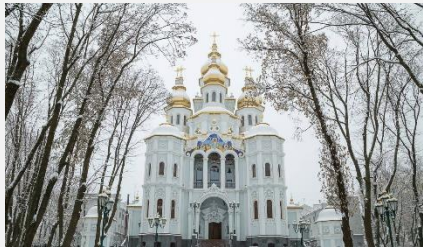
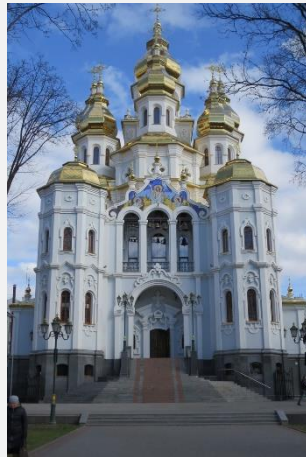




- geometric transformations;
- compression degree;
- climatic seasons;
- equipment;
- years;
- sizes









The set was used to illustrate the results of normalization with the different descriptors in the worst conditions.

Experiment goal:

To check the conclusions about the quality of normalization based on the descriptors SIFT, SURF, ORB, BRISK, KAZE, AKAZE that was obtained for SYTOSS_NURE_pngPairs100 dataset in more complex conditions

KharkivInet_jpgPairs10 (10 it.)

Pair #	Image pair		Pair #	Image pair	
	B ₁ : #_0.png	B ₂ : #_1.png		B ₁ : #_0.png	B ₂ : #_1.png
1			6		
	Size: 745 x 498 Memory: 219.71 KB/ 1.06MB Compression: ~20%	Size: 640×290 Memory: 56.56KB/543.79KB Compression: ~ 10%		Size: 1162 x 680 Memory: 737.99 KB / 2.26 MB Compression: ~32%	Size: 719 x 1080 Memory: 635.48 KB / 2.22 MB Compression: ~27%
2			7		
	Size: 610 x 343 Memory: 59.57 KB/613.69 KB Compression: ~9.7%	Size: 1077 x 510 Memory: 195.59 KB/1.57 MB Compression: ~12%		Size: 1024 x 597 Memory: 268.71 KB / 1.75 MB Compression: ~15,4%	Size: 2000 x 1328 Memory: 424.77 KB / 7.60 MB Compression: ~5,6%

3			8		
	Size: 900 x 1200 Memory: 326.19 KB / 3.09 MB Compression: ~10,8%	Size: 450 x 600 Memory: 71.02 KB / 792,23 MB Compression: ~8,9%			
4			9		
	Size: 956 x 1195 Memory: 217.11 KB/ 3.27 MB Compression: ~6,6%	Size: 4032 x 3024 Memory: 4.11 MB / 34,88 MB Compression: ~11.7%		Size: 800 x 564 Memory: 96.81 KB / 1.29 MB Compression: ~7%	Size: 1333 x 1000 Memory: 321.34 KB / 3.81 MB Compression: ~8%

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Size: 768 x 576
Memory: 53.31 KB / 1.27 MB
Compression: ~4%

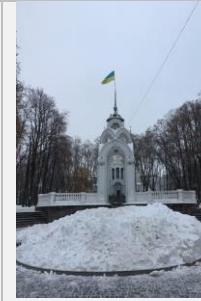


Size: 800 x 600
Memory: 212.03 KB / 1.37 MB
Compression: ~15%

10



Size: 390 x 259
Memory: 25.33 KB / 296.47 KB
Compression: ~8.5



Size: 338 x 450
Memory: 35.76 KB / 446.52 KB
Compression: ~8%