**Cost-Controllable Large-Scale Sign Language (CCLS) Dataset**

**Tianjin University**

Dataset Information:

The CCLS contains 130 entity words, 47 template sentences and 200 complete sentences. Each entity/template component is performed by 10 signers for 10 times. Therefore, the number of entity videos is 130×10×10=13000, and the number of template videos is 47×10×10=4700. For complete component, 5 signers participate in the collection, and each complete sentence is collected for 2 times. Hence, the number of complete videos is 200×5×2=2000. All videos have the resolution of 1280 × 720 and a frame rate of 30 FPS (frames per second). The videos are collected under a natural background.

The contents of the dataset cover three scenarios, such as hotels, attractions, and restaurants. The entity words and template sentences are derived from the CrossWOZ corpus. The CCLS dataset contains 182 Chinese sign words. The entity videos and template videos are used to combined into 20000 new videos, which are viewed as training set. And the complete videos are viewed as test set. The table 1 shows the details of the CCLS dataset.

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| --- | --- | --- | --- | --- | --- |
| Name | CCLS | Associated task | CSLR/SLT/ISLR | Vocabulary | 182 |
| Country | China | Language level | Word/Sentence | Signer | 10 |
| Entity video | 13000 | Template video | 4700 | Complete video | 2000 |
| Number of samples | 19700 | Training video (combined) | 20000 | Testing video | 2000 |

Download:

The CCLS dataset is released to universities and research institutes for research purpose only. To request the access right to the data resources, please follow the link below:

<https://pan.baidu.com/s/1eElpRXkJ05jsbfgrH5EUMQ> (password: 8e7b )

Contact:

If you have any questions about the dataset, please feel free to contact us:

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