

Open Facial dataSet(on GitHub)

1. Overview of open facial dataset

We curated a facial dataset by capturing images in various environments using cameras, featuring faces adorned with masks, sunglasses, hats, scarves, or left unadorned. The dataset accounts for real-world conditions, including lighting, distance, pose, and camera resolution. To protect privacy, we transformed facial image data acquired in real-world scenarios into swapped faces and are making it available as open data. The compiled face swap dataset is accessible for research purposes

1) Data Collection Target : 50 males and 50 females

2) Data Acquisition Environment :

- Types of cameras : UHD, QHD, FHD, HD cameras
- Camera height : 3m, 2.5m, 2m
- Accessories used: Mask, Sunglasses, Hat, Scarf
- Lighting conditions : Left, Right, Bilateral lighting
- Distance from the camera : 4m, 3m, 2m, 1m
- Pose variation : Frontal view, Left and right profile at 45 degrees/90 degrees

3) Data collection time : 2 hours in the morning, 2 hours in the afternoon,
2 hours in the evening (after sunset)

2. Dataset composition

1) Performance validation facial dataset

- Enroll face data set : 100 individuals x 12 images of frontal faces
- Verify face data set : 100 individuals x 100 images of frontal or side faces

2) Full facial dataset

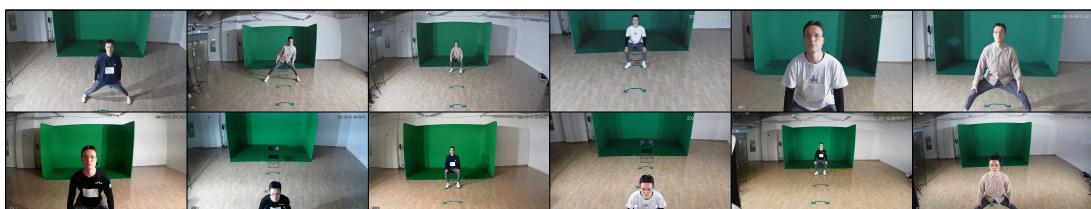
- 5,697,636 images for 100 individuals (5.22 TB)

3) Naming rule of facial data file

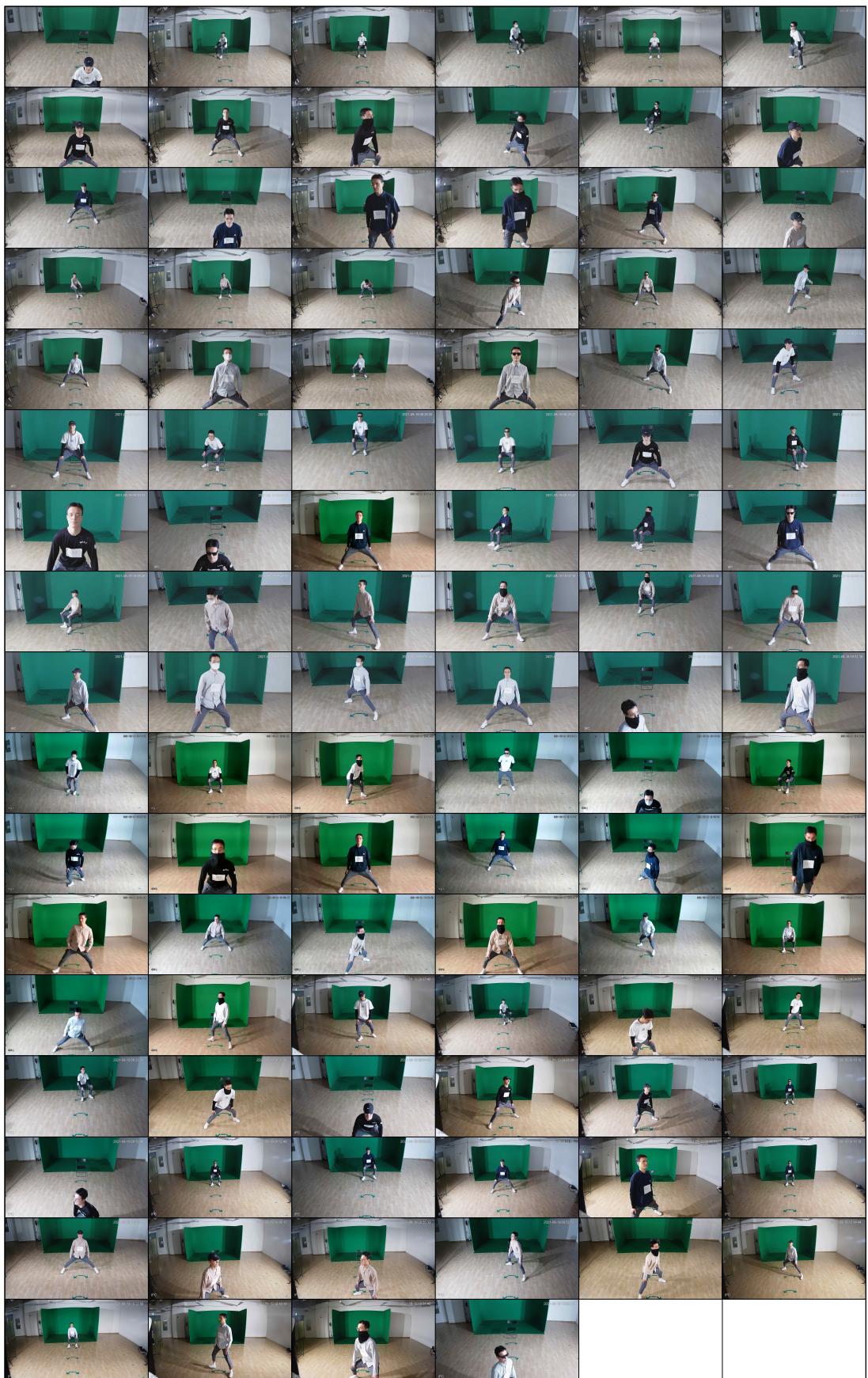
- ID_camera_resolution_Costume_Accessory_lighting_direction_distance_camera_to_person_pose_frame_number.jpg

3. Examples of sample data

1) Enroll facial images



2) Verify facial images



- * The facial dataset includes facial images with some flickering, caused by the capturing environment.

4. Data delivery method

Due to limitations on file upload size, if you are interested in acquiring the dataset, please contact us at the provided email, and we will assist you in accessing the data.

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