CLAIMS

1. A method for information processing, comprising:

acquiring first input information, the first input information at least comprising an image containing a target object;

acquiring, based on the first input information, capture images that are captured within a time period from N seconds before a target time point till N seconds after the target time point by an image collecting device capturing the target object, the target time point being a time point when the image collecting device captures the target object;

determining one or more companions of the target object in the capture images; and

acquiring a companion identifying result by analyzing the one or more companions based on aggregated profile data, each person in the aggregated profile data corresponding to a unique profile.

2. The method of claim 1, wherein acquiring the companion identifying result by analyzing the one or more companions based on the aggregated profile data comprises:

determining relevant information of all companions based on the aggregated profile data,

wherein each companion comprises an unreal-named companion or a real-named companion, and wherein relevant information of the unreal-named companion comprises: each capture image of the unreal-named companion in a first database in a system; and relevant information of the real-named companion comprises: image information and text information of the real-named companion in a second database in the system.

3. The method of claim 1, wherein acquiring the companion identifying result by analyzing the one or more companions based on the aggregated profile data further comprises:

determining a number of companion times for each companion and the target object; and

acquiring a companion sequence by sorting the companions based on the number of companion times.

4. The method of claim 3, wherein acquiring the companion identifying result by analyzing the one or more companions based on the aggregated profile data further comprises:

determining a first companion in the companion sequence; and

determining all companion records for the target object and the first companion,

each companion record comprising at least: identification information of the image collecting devices, capture time, and capture images of the target object and the first companion.

5. The method of claim 3, wherein acquiring the companion identifying result by analyzing the one or more companions based on the aggregated profile data further comprises:

determining K companions based on the companion sequence, the K being a positive integer; and

determining all companion records for the target object and each of the K companions,

each companion record comprising at least: identification information of the image collecting devices, capture time, and capture images of the target object and the K companions.

6. The method of claim 5, further comprising:

acquiring a designated video stream collected by a designated image collecting device; and

searching in the companion records for a companion record of the target object and each of the K companions in the designated video stream.

7. The method of claim 5, wherein acquiring the companion identifying result by analyzing the one or more companions based on the aggregated profile data further comprises:

counting a number of capture times that the K companions are captured by each image collecting device based on the companion records of the target object and each of the K companions.

8. The method of any one of claims 1 to 7, wherein before acquiring the first input information, the method further comprises:

acquiring a clustering processing result by performing clustering processing on image data in a first database, the first database being formed based on portrait images captured by the image collecting device;

acquiring an aggregation processing result by performing aggregation processing on image data in a second database, the second database being formed based on real-name image information; and

acquiring the aggregated profile data by associating the clustering processing result with the aggregation processing result.

9. The method of claim 8, wherein performing clustering processing on the image data in the first database comprises:

extracting face image data from the image data in the first database; and

dividing the face image data into multiple classes, each of the multiple classes having a class center, the class center comprising a class center feature value.

10. The method of claim 8, wherein acquiring the aggregation processing result by performing aggregation processing on the image data in the second database comprises:

aggregating image data with a same identity number into an image database; and

acquiring an aggregation processing result by establishing an association between the image database and text information corresponding to the identity number, each identity number in the aggregation processing result corresponding to unique profile data.

11. The method of claim 8, wherein associating the clustering processing result with the aggregation processing result comprises:

acquiring a total comparison result by performing total comparison on each class center feature value in the first database with each reference class center feature value in the second database;

determining a target reference class center feature value with a highest similarity greater than a preset threshold based on the total comparison result;

searching in the second database for a target portrait corresponding to the target reference class center feature value and identity information corresponding to the target portrait; and

establishing an association between the identity information corresponding to the target portrait and an image corresponding to the class center feature value in the first database.

12. The method of claim 8, further comprising:

in a case of adding new image data to the first database, dividing face image data in the new image data into multiple classes by performing clustering processing on the new image data, and querying whether there is a class in the first database same as one of the multiple classes;

in response to there being a class same as a first class in the multiple classes, merging image data of the first class into an existing profile of the first class; or in response to there being no class same as a second class in the multiple classes, establishing a new profile based on the second class and adding the new profile to the first database.

13. The method of claim 8, further comprising:

in a case of adding new image data to the second database, querying whether there is an identity number in the second database same as the new image data; in response to there being a first identity number same as first image data in the new image data, merging the first image data into an existing profile corresponding to the first identity number; in response to there being not a second identity number same as second image data in the new image data, establishing a new profile based on the second identity number in the second image data, and adding the new profile to the second database.

14. A device for information processing, comprising:

a first acquiring module, configured for acquiring first input information, the first

input information at least comprising an image containing a target object;

a second acquiring module, configured for acquiring, based on the first input information, capture images that are captured within a period from N seconds before a target time point till N seconds after the target time point by an image collecting device capturing the target object, the target time point being a time point when the image collecting device captures the target object;

a determining module, configured for determining one or more companions of the target object in the capture images; and

a processing module, configured for acquiring a companion identifying result by analyzing the one or more companions based on aggregated profile data, each person in the aggregated profile data corresponding to a unique profile.

15. The device of claim 14, wherein the processing module is further configured for:

determining relevant information of all companions based on the aggregated profile data,

wherein each companion comprises an unreal-named companion or a real-named companion, and wherein relevant information of the unreal-named companion comprises: each capture image of the unreal-named companion in a first database in a system; and relevant information of the real-named companion comprises: image information and text information of the real-named companion in a second database in the system.

16. The device of claim 14, wherein the processing module is further configured for:

determining a number of companion times for each companion and the target object; and

acquiring a companion sequence by sorting the companions based on the number of companion times.

17. The device of claim 16, wherein the processing module is further configured for:

determining a first companion in the companion sequence; and

determining all companion records for the target object and the first companion,

each companion record comprising at least: identification information of the image collecting devices, capture time, and capture images of the target object and the first companion.

~~18. The device of claim 16, wherein the processing module is further configured for:~~

~~determining K companions based on the companion sequence, the K being a positive integer; and~~

~~determining all companion records for the target object and each of the K companions,~~

~~each companion record comprising at least: identification information of the image collecting devices, capture time, and capture images of the target object and the K companions.~~

~~19. The device of claim 18, wherein the processing module is further configured for:~~

~~acquiring a designated video stream collected by a designated image collecting device; and~~

~~searching in the companion records for a companion record of the target object and each of the K companions in the designated video stream.~~

~~20. The device of claim 18, wherein the processing module is further configured for:~~

~~counting a number of capture times that the K companions are captured by each image collecting device based on the companion records of the target object and each of the K companions.~~

~~21. The device of any one of claims 14 to 20, further comprising a profile establishing module configured for:~~

~~acquiring a clustering processing result by performing clustering processing on image data in a first database, the first database being formed based on portrait images captured by the image collecting device;~~

~~acquiring an aggregation processing result by performing aggregation processing on~~

~~image data in a second database, the second database being formed based on real-name image information; and~~

~~acquiring the aggregated profile data by associating the clustering processing result with the aggregation processing result.~~

~~22. The device of claim 21, wherein the profile establishing module is further configured for:~~

~~extracting face image data from the image data in the first database; and~~

~~dividing the face image data into multiple classes, each of the multiple classes having a class center, the class center comprising a class center feature value.~~

~~23. The device of claim 21, wherein the profile establishing module is further configured for:~~

~~aggregating image data with a same identity number into an image database; and~~

~~acquiring an aggregation processing result by establishing an association between the image database and text information corresponding to the identity number, each identity number in the aggregation processing result corresponding to unique profile data.~~

~~24. The device of claim 21, wherein the profile establishing module is further configured for:~~

~~acquiring a total comparison result by performing total comparison on each class center feature value in the first database with each reference class center feature value in the second database;~~

~~determining a target reference class center feature value with a highest similarity greater than a preset threshold based on the total comparison result;~~

~~searching in the second database for a target portrait corresponding to the target reference class center feature value and identity information corresponding to the target portrait; and~~

~~establishing an association between the identity information corresponding to the target portrait and an image corresponding to the class center feature value in the first database.~~

~~25. The device of claim 21, wherein the profile establishing module is further configured for:~~

~~in a case of adding new image data to the first database, dividing face image data in the new image data into multiple classes by performing clustering processing on the new image data, and querying whether there is a class in the first database same as one of the multiple classes; in response to there being a class same as a first class in the multiple classes, merging image data of the first class into an existing profile of the first class; in response to there being no class same as a second class in the multiple classes, establishing a new profile based on the second class and adding the new profile to the first database.~~

~~26. The device of claim 21, wherein the profile establishing module is further configured for:~~

~~in a case of new image data to the second database, querying whether there is an identity number in the second database same as the new image data; in response to there being a first identity number same as first image data in the new image data, merging the first image data into an existing profile corresponding to the first identity number; in response to there being not a second identity number same as second image data in the new image data, establishing a new profile based on the second identity number in the second image data and adding the new profile to the second database.~~

~~27~~18. A device for information processing, comprising: memory, a processor, and a computer program stored in the memory and executable by the processor, wherein the processor is configured for executing the computer program to implement the method of any one of claims 1 to 13.

~~28~~19. A computer storage medium, having stored thereon a computer program which, when executed by a processor, enables the processor to implement the method of any one of claims 1 to 13.

~~29~~20. A computer program comprising a computer-readable code which, when run on electronic equipment, enables a processor of the electronic equipment to implement the method of any one of claims 1 to 13.