

CLAIMS:

1. A system for increasing facial recognition throughput, the system comprising:
 - an image capture device configured to capture a facial image, wherein the image capture device is associated with an area within a venue, wherein the venue is associated with a first database and the area is associated with a second database; and
 - a computing system communicatively coupled to the image capture device, wherein the computing system comprises processing circuitry and a memory device communicatively coupled to the processing circuitry, the memory device being configured to store instructions executable to cause the processing circuitry to:
 - receive the facial image;
 - determine a sufficient correlation between the facial image and an entry of a plurality of entries of facial identification data stored in the first database; and
 - in response to the facial image sufficiently correlating to the entry, add the facial image to the second database.
2. The system of claim 1, comprising an additional image capture device configured to capture an additional facial image, wherein the additional image capture device is positioned at an exit from the area of the venue, and wherein the instructions are executable to cause the processing circuitry to:
 - receive the additional facial image;
 - determine that a sufficient correlation exists between the additional facial image and a specific entry of a plurality of entries of facial identification data stored in the second database; and
 - in response to the sufficient correlation existing between the additional facial image and the specific entry, remove the specific entry from the second database.

3. The system of claim 1, comprising an additional image capture device configured to capture an additional facial image of a guest, wherein the additional image capture device is positioned at an entrance to the venue.
4. The system of claim 3, wherein the instructions are executable to cause the processing circuitry to:
 - receive the additional facial image;
 - generate facial identification data associated with the additional facial image; and
 - store the facial identification data associated with the additional facial image as facial identification data associated with the guest.
5. The system of claim 1, wherein the instructions are executable to cause the processing circuitry to determine the sufficient correlation by comparing geometric facial features of the image to geometric facial features of the plurality of entries of facial identification data stored in the first database.
6. The system of claim 1, comprising a wearable device communicatively coupled to the computing system.
7. The system of claim 6, wherein the computing system is configured to receive an identifier of the wearable device, and wherein the instructions are executable to cause the processing circuitry to:
 - receive profile data associated with the identifier; and
 - link the profile data with the entry of the plurality of entries of facial identification data based on the facial image of a guest wearing the wearable device.
8. The system of claim 7, wherein the profile data comprises identification information for the guest, access information indicative of access rights with respect to features of the venue, or both.

9. The system of claim 1, wherein the instructions are executable to, in response to the facial image sufficiently correlating to the entry, remove the entry of the plurality of entries of facial identification data from the first database.
10. The system of claim 9, comprising an additional image capture device configured to capture an additional facial image, wherein the additional image capture device is positioned at an exit from the area of the venue, and wherein the instructions are executable to cause the processing circuitry to:
- receive the additional facial image;
 - determine a closest match between the additional facial image and a specific entry of a plurality of entries of facial identification data stored in the second database; and
 - in response to the additional facial image sufficiently correlating to the specific entry:
 - remove the specific entry from the second database; and
 - add the specific entry to the first database.
11. The system of claim 1, wherein the first database is separate from the second database.
12. A method for increasing facial recognition throughput, comprising:
- determining, via processing circuitry, entrance facial identification data from a first facial image captured by an entrance image capture device positioned at an entrance to a venue;
 - storing, via the processing circuitry, the entrance facial identification data in a venue database, wherein the venue database stores a plurality of facial identification data entries;
 - transferring, via the processing circuitry, the entrance facial identification data from the venue database and into an area database associated with an area of the venue in response to a second facial image captured at an entrance to the area of the venue sufficiently correlating to the entrance facial identification data;

receiving, via the processing circuitry, a third facial image captured by an exit image capture device positioned at an exit of the venue;

determining, via the processing circuitry, a sufficient correlation between exit facial identification data associated with the third facial image and an entry of the plurality of facial identification data entries; and

removing, via the processing circuitry, the entry of the plurality of facial identification data entries from the venue database in response to determining that the exit facial identification data sufficiently correlates to the entry of the plurality of facial identification data entries.

13. The method of claim 12, comprising:

receiving, via the processing circuitry, a fourth facial image from an image capture device associated with a feature of the venue, wherein the fourth facial image comprises a live facial image of a guest seeking access to the feature; and

authenticating, via the processing circuitry, the fourth facial image to grant the access to the feature in response to determining that the fourth facial image sufficiently correlates to at least one entry of the plurality of facial identification data entries.

14. The method of claim 12, comprising:

receiving a request for guest authentication within the venue; and

performing the guest authentication based on the plurality of facial identification data entries.

15. The method of claim 12, wherein storing the entrance facial identification data comprises storing the entrance facial identification data in response to the first facial image satisfying one or more image quality parameters.

16. The method of claim 12, comprising associating, via the processing circuitry, the entrance facial identification data to profile data associated with a guest having the entrance facial identification data.

17. A facial recognition system to increase facial recognition throughput, the facial recognition system comprising:

- a primary image capture device configured to capture a first facial image at an entrance to a theme park;

- a plurality of secondary image capture devices corresponding to a plurality of areas of the theme park, wherein the plurality of secondary image capture devices are each configured to capture a secondary facial image at an entrance to a corresponding area of the plurality of areas of the theme park;

- a storage device comprising:

- a theme park database comprising facial identification data associated with the first facial image; and

- a plurality of park area databases, wherein each park area database of the plurality of park area databases is associated with a respective area of the plurality of areas, wherein each park area database of the plurality of park area databases comprises facial identification data associated with a respective secondary facial image; and

- a computing system communicatively coupled to the primary image capture device, the plurality of secondary image capture devices, and the storage device, wherein the computing system comprises processing circuitry and a memory device communicatively coupled to the processing circuitry and configured to store instructions to cause the processing circuitry to:

- receive the first facial image to generate corresponding facial identification data and store the corresponding facial identification data in the theme park database;

- receive a particular secondary facial image captured by a particular secondary image capture device of the plurality of secondary image capture devices

to determine a sufficient correlation between the particular secondary facial image and the corresponding facial identification data, wherein the particular secondary image capture device is associated with a particular area of the plurality of areas; and

add the corresponding facial identification data from the theme park database to a particular park area database associated with the particular area based on the sufficient correlation.

18. The facial recognition system of claim 17, wherein each secondary image capture device of the plurality of secondary image capture devices is positioned at the entrance to the corresponding area of the plurality of areas.

19. The facial recognition system of claim 17, wherein the instructions are configured to cause the processing circuitry to determine the sufficient correlation by comparing geometric facial features of the particular secondary facial image to geometric facial features of the facial identification data in the theme park database.

20. The facial recognition system of claim 17, wherein data in the plurality of park area databases is copied from the theme park database.