[CLAIMS]

[Claim 1]

An information processing apparatus comprising:

an acquisition unit that acquires, from a captured image obtained by capturing a passenger who is boarding on an airplane and has not yet passed through a boarding gate corresponding to the airplane, biometric information of the passenger;

a specifying unit that specifies boarding reservation information regarding the boarding by using the acquired biometric information; and

an output unit that outputs information used for supporting a procedure of the passenger at the boarding gate based on the specified boarding reservation information.

[Claim 2]

The information processing apparatus according to claim 1 further comprising a control unit that issues a token ID corresponding to registered biometric information of the passenger for each passenger and associates the registered biometric information with the boarding reservation information in advance via the token ID,

wherein the specifying unit specifies the boarding reservation information on the passenger based on the token ID corresponding to the registered biometric information successfully matched with the biometric information.

[Claim 3]

The information processing apparatus according to claim 1 or 2, wherein the information includes priority in a procedure of the passenger performed at the boarding gate.

[Claim 4]

~~The information processing apparatus according to claim 3,~~

~~wherein the boarding reservation information includes a class of a seat in the airplane or a category of the passenger set by an airline company, and~~

~~wherein the output unit outputs the priority based on the class or the category.~~

~~[Claim 5]~~

~~The information processing apparatus according to claim 4, wherein the output unit outputs a waiting place prepared for boarding corresponding to the priority.~~

~~[Claim 6]~~

~~The information processing apparatus according to claim 5, wherein when a person having different priority from the priority corresponding to the waiting place is included in passengers waiting in the waiting place, the output unit outputs the information that suggests guide to another waiting place corresponding to the priority of the person.~~

~~[Claim 7]~~

~~The information processing apparatus according to any one of claims 3 to 6,~~

~~wherein the boarding reservation information further includes registered information regarding a predetermined accompanying person, and~~

~~wherein the output unit outputs the priority based on whether or not the accompanying person is present.~~

~~[Claim 8]~~

~~The information processing apparatus according to claim 7,~~

~~wherein the acquisition unit acquires another biometric information of the passenger from another captured image obtained by capturing the passenger at~~

~~the boarding gate,~~

~~wherein the specifying unit specifies the boarding reservation information on the passenger by using the another biometric information, and~~

~~wherein when the accompanying person recorded in the specified boarding reservation information is not included in the another captured image, the output unit outputs the information that suggests a check operation with respect to the accompanying person.~~

~~[Claim 9]~~

~~The information processing apparatus according to claim 7,~~

~~wherein the acquisition unit acquires another biometric information of the passenger from another captured image obtained by capturing the passenger at the boarding gate,~~

~~wherein the specifying unit specifies the boarding reservation information on the passenger by using the another biometric information, and~~

~~wherein when the accompanying person recorded in the specified boarding reservation information and a detected person detected together with the passenger in the another captured image are not the same, the output unit outputs the information that suggests a check operation with respect to the accompanying person.~~

~~[Claim 10]~~

~~The information processing apparatus according to any one of claims 1 to 9,~~

~~wherein the specifying unit specifies each boarding reservation information on the passenger by using the biometric information of all passengers included in the captured image, and~~

~~wherein the output unit outputs a list screen including the specified boarding reservation information.~~

~~[Claim 11]~~

~~The information processing apparatus according to any one of claims 1 to 10,~~

~~wherein the specifying unit specifies the boarding reservation information by using the biometric information of the passenger specified on a screen displaying the captured image, and~~

~~wherein the output unit outputs the specified boarding reservation information on the screen.~~

~~[Claim 12]~~

~~The information processing apparatus according to any one of claims 1 to 11 further comprising:~~

~~an input unit used for inputting an extraction condition of the passenger; and~~

~~an extraction unit that extracts the passenger corresponding to the boarding reservation information satisfying the extraction condition out of passengers included in the captured image.~~

~~[Claim 13]~~

~~The information processing apparatus according to any one of claims 1 to 12 further comprising a selection unit that, out of images captured by an image capture device arranged in an airport, selects an image from which the biometric information of the passenger to be searched for is acquired,~~

~~wherein the output unit outputs positional information on the passenger in the airport based on the selected image.~~

~~[Claim 14]~~

~~An information processing method comprising:~~

~~acquiring, from a captured image obtained by capturing a passenger who is boarding on an airplane and has not yet passed through a boarding gate corresponding to the airplane, biometric information of the passenger;~~

~~specifying boarding reservation information regarding the boarding by using the acquired biometric information; and~~

~~outputting information used for supporting a procedure of the passenger at the boarding gate based on the specified boarding reservation information.~~

~~[Claim 15]~~

~~A storage medium storing a program that causes a computer to perform:~~

~~acquiring, from a captured image obtained by capturing a passenger who is boarding on an airplane and has not yet passed through a boarding gate corresponding to the airplane, biometric information of the passenger;~~

~~specifying boarding reservation information regarding the boarding by using the acquired biometric information; and~~

~~outputting information used for supporting a procedure of the passenger at the boarding gate based on the specified boarding reservation information.~~

[CLAIMS]

[Claim 1]

An information processing apparatus comprising:

an acquisition means for acquiring, from a captured image obtained by capturing a passenger who is boarding on an airplane and has not yet passed through a boarding gate corresponding to the airplane, biometric information of the passenger;

a specifying means for specifying boarding reservation information regarding the boarding by using the acquired biometric information; and

an output means for outputting information used for supporting a procedure of the passenger at the boarding gate based on the specified boarding reservation information.

[Claim 2]

The information processing apparatus according to claim 1 further comprising a control means for issuing a token ID corresponding to registered biometric information of the passenger for each passenger and associates the registered biometric information with the boarding reservation information in advance via the token ID,

wherein the specifying means specifies the boarding reservation information on the passenger based on the token ID corresponding to the registered biometric information successfully matched with the biometric information.

[Claim 3]

The information processing apparatus according to claim 1 or 2, wherein the information includes priority in a procedure of the passenger performed at the boarding gate.

[Claim 4]
The information processing apparatus according to claim 3,
wherein the boarding reservation information includes a class of a seat in the airplane or a category of the passenger set by an airline company, and
wherein the output means outputs the priority based on the class or the category.

[Claim 5]
The information processing apparatus according to claim 4, wherein the output means outputs a waiting place prepared for boarding corresponding to the priority.

[Claim 6]
The information processing apparatus according to claim 5, wherein when a person having different priority from the priority corresponding to the waiting place is included in passengers waiting in the waiting place, the output means outputs the information that suggests guide to another waiting place corresponding to the priority of the person.

[Claim 7]
The information processing apparatus according to any one of claims 3 to 6,
wherein the boarding reservation information further includes registered information regarding a predetermined accompanying person, and
wherein the output means outputs the priority based on whether or not the accompanying person is present.

[Claim 8]
The information processing apparatus according to claim 7,
wherein the acquisition means acquires another biometric information of the passenger from another

captured image obtained by capturing the passenger at the boarding gate,

wherein the specifying means specifies the boarding reservation information on the passenger by using the another biometric information, and

wherein when the accompanying person recorded in the specified boarding reservation information is not included in the another captured image, the output means outputs the information that suggests a check operation with respect to the accompanying person.

[Claim 9]

The information processing apparatus according to claim 7,

wherein the acquisition means acquires another biometric information of the passenger from another captured image obtained by capturing the passenger at the boarding gate,

wherein the specifying means specifies the boarding reservation information on the passenger by using the another biometric information, and

wherein when the accompanying person recorded in the specified boarding reservation information and a detected person detected together with the passenger in the another captured image are not the same, the output ~~unit~~ means outputs the information that suggests a check operation with respect to the accompanying person.

[Claim 10]

The information processing apparatus according to any one of claims 1 to 9,

wherein the specifying means specifies each boarding reservation information on the passenger by using the biometric information of all passengers included in the captured image, and

wherein the output means outputs a list screen including the specified boarding reservation information.

[Claim 11]
The information processing apparatus according to any one of claims 1 to 10,
wherein the specifying means specifies the boarding reservation information by using the biometric information of the passenger specified on a screen displaying the captured image, and
wherein the output means outputs the specified boarding reservation information on the screen.

[Claim 12]
The information processing apparatus according to any one of claims 1 to 11 further comprising:
an input means used for inputting an extraction condition of the passenger; and
an extraction means that extracts the passenger corresponding to the boarding reservation information satisfying the extraction condition out of passengers included in the captured image.

[Claim 13]
The information processing apparatus according to any one of claims 1 to 12 further comprising a selection means for, out of images captured by an image capture device arranged in an airport, selecting an image from which the biometric information of the passenger to be searched for is acquired,
wherein the output means outputs positional information on the passenger in the airport based on the selected image.

[Claim 14]
An information processing method comprising:
acquiring, from a captured image obtained by capturing a passenger who is boarding on an airplane and has not yet passed through a boarding gate corresponding

to the airplane, biometric information of the passenger;

specifying boarding reservation information regarding the boarding by using the acquired biometric information; and

outputting information used for supporting a procedure of the passenger at the boarding gate based on the specified boarding reservation information.

[Claim 15]

A storage medium storing a program that causes a computer to perform:

acquiring, from a captured image obtained by capturing a passenger who is boarding on an airplane and has not yet passed through a boarding gate corresponding to the airplane, biometric information of the passenger;

specifying boarding reservation information regarding the boarding by using the acquired biometric information; and

outputting information used for supporting a procedure of the passenger at the boarding gate based on the specified boarding reservation information.