[Document Name] SPECIFICATION
[Title of Invention] IMAGE ANALYSIS SYSTEM AND IMAGE ANALYSIS METHOD
[Technical Field]
[0001]

The present invention relates to an image analysis system and an image analysis method.

[Background Art]
[0002]

Patent Document 1 discloses a technique for analyzing an image and detecting a suspicious person or the like. Patent Documents 2 and 3 disclose an index generation apparatus that an index in which a plurality of nodes are hierarchized is generated.

[Related Document]
[Patent Document]
[0003]

[Patent Document 1] Japanese Patent Application Publication No. 2017-191621

[Patent Document 2] International Publication No. WO2014/109127

[Patent Document 3] Japanese Patent Application Publication No. 2015-49574

[Disclosure of the Invention]
[Technical Problem]
[0004]

In an image analysis, there are various types of analysis such as a face analysis for extracting a feature value of a face, a pose analysis for extracting a feature value of a pose of a person, and a vehicle analysis for extracting a feature value of a vehicle. However, when one system is relevant to an image analysis of only one type and the system can merely execute the image analysis of one type, convenience is poor. Any of Patent Documents 1 to 3 does not disclose the problem and a means for solving the problem. An issue according to the present invention is to improve convenience of an image analysis system.

[Solution to Problem]
[0005]

According to a first aspect of the present invention, there is provided is an image analysis system including: a plurality of image analysis means; a selection means for selecting at least one of a plurality of the image analysis means; an analysis control means for causing the selected image analysis means to analyze an image specified by a user; and an output means for outputting an

analysis result of the image, wherein the plurality of image analysis means execute image analyses of different types from each other; the selection means refers to association information associating at least one analysis purpose with a plurality of the image analysis means different in type from each other, and selects the plurality of the image analysis means associated with the analysis purpose selected by the user; and the analysis control means causes each of the selected plurality of image analysis means to analyze the image.

[0006]

According to a second aspect of the present invention, there is provided is an image analysis method including, by a computer: selecting at least one of a plurality of image analysis means; causing the selected image analysis means to analyze an image specified by a user; and outputting an analysis result of the image, wherein the step of selecting the at least one of the plurality of image analysis means comprising executing image analyses of different types from each other; the step of selecting including referring to association information associating at least one analysis purpose with a plurality of the image analysis means different in type from each other, and selecting the plurality of the image analysis means associated with the analysis purpose selected by the user; and the step of outputting comprising causing each of the selected plurality of image analysis means to analyze the image.

[Advantageous Effects of Invention]

[0007]

According to embodiments of the present invention, convenience of an image analysis system can be improved.

[Brief Description of the Drawings]

[0008]

[Fig. 1] Fig. 1 is a diagram illustrating a hardware configuration example of an image analysis system according to the present example embodiment.

[Fig. 2] Fig. 2 is one example of a function block diagram of the image analysis system according to the present example embodiment.

[Fig. 3] Fig. 3 is a diagram for illustrating one example of processing executed by the image analysis system according to the present example embodiment.

[Fig. 4] Fig. 4 is a configuration example of the image analysis system according to the present example embodiment.

[Fig. 5] Fig. 5 is a diagram schematically illustrating one example of information processed by the image analysis system according to the present example embodiment.

CLAIMS

[Claim 1]

An image analysis system comprising:

a plurality of image analysis means;

selection means for selecting at least one of a plurality of the image analysis means;

analysis control means for causing the selected image analysis means to analyze an image specified by a user; and

output means for outputting an analysis result of the image, wherein

the plurality of image analysis means

execute image analyses of different types from each other;

the selection means

refers to association information associating at least one analysis purpose with a plurality of the image analysis means different in type from each other, and

selects the plurality of the image analysis means associated with the analysis purpose selected by the user; and

the analysis control means

causes each of the selected plurality of image analysis means to analyze the image.

[Claim 2]

The image analysis system according to claim 1, wherein

the output means outputs an analysis report generated based on an analysis result of the image.

[Claim 3]

The image analysis system according to claim 2, wherein

a format of the analysis report is defined with respect to each analysis purpose, and

the output means generates and outputs the analysis report, based on the format defined relevantly to the analysis purpose selected by a user.

[Claim 4]

The image analysis system according to claim 3, wherein

the output means adds/modifies, based on user input, a definition of a format of the analysis report.

[Claim 5]

The image analysis system according to any one of claims 1 to 4, wherein

the output means includes means for notifying, when analysis of the image based on the selected image analysis means is terminated, the user of the termination matter.

[Claim 6]

The image analysis system according to any one of claims 1 to 5, wherein

the output means outputs raw data generated based on analysis of the image.

[Claim 7]

The image analysis system according to any one of claims 1 to 6, wherein

the number of the image analysis means can be increased based on installation of a plug-in.

[Claim 8]

The image analysis system according to any one of claims 1 to 7, wherein

the selection means selects the image analysis means selected by a user.

[Claim 9]

The image analysis system according to any one of claims 1 to 8, wherein

the selection means refers to association information associating an analysis purpose with at least the one image analysis means, and selects at least

the one image analysis means associated with the analysis purpose selected by a user.

[Claim 10]

An image analysis method comprising,

by a computer:

selecting at least one of a plurality of image analysis means;

causing the selected image analysis means to analyze an image specified by a user; and

outputting an analysis result of the image, wherein

the step of selecting the at least one of the plurality of image analysis means comprising

executing image analyses of different types from each other;

the step of selecting comprising

referring to association information associating at least one analysis purpose with a plurality of the image analysis means different in type from each other, and

selecting the plurality of the image analysis means associated with the analysis purpose selected by the user; and

the step of outputting comprising

causing each of the selected plurality of image analysis means to analyze the image.