CLAIMS

[Claim 1] An image acquiring device comprising:

voltage control means for generating first voltage information that can identify voltage applied to a first variable-focus lens which is included in first imaging means installed in a position where a subject can be photographed and whose focal length changes in accordance with an applied voltage, and generating second voltage information that can identify voltage applied to a second variable-focus lens which is included in second imaging means installed in the position where the subject can be photographed and whose focal length changes in accordance with an applied voltage; and

image judgment means for inputting images from the first imaging means and the second imaging means, and selecting one image taken at an in-focus position among input images,

wherein the voltage control means

generates information, as the first voltage information, that can identify each voltage in a time series of voltages whose values change with time, and

generates information, as the second voltage information, that can identify that each of the voltages identified by the first voltage information is applied to the second variable-focus lens after a predetermined period of delay.

[Claim 2] The image acquiring device according to claim 1, wherein

the predetermined period is selected from 100 to 300ms.

[Claim 3] The image acquiring device according to claim 1 or 2, wherein

the image judgment means selects the image whose contrast exceeds a predetermined value among the images input from the first imaging means and the second imaging means.

[Claim 4] The image acquiring device according to any one of claims 1 to 3, further comprising

first voltage applying means for applying a voltage of a value identified by the first voltage information to the first variable-focus lens, and

second voltage applying means for applying a voltage of a value identified by the second voltage information to the second variable-focus lens.

[Claim 5] The image acquiring device according to claim 4, wherein

the first voltage applying means applies the voltage to a liquid lens as the first variable-focus lens, and

the second voltage applying means applies the voltage to a liquid lens as the second variable-focus lens.

[Claim 6] An image processing device comprising:

the image acquiring device according to any one of claims 1 to 5, and

feature extraction means for generating features of an iris region of the subject from the in-focus image selected by the image judging means.

[Claim 7] An image processing device comprising:

the image acquiring device according to any one of claims 1 to 5, and

feature extraction and matching means for generating features of an iris region of the subject from the in-focus image selected by the image judging means and matching the features with previously acquired features of the iris region.

[Claim 8] An image processing device comprising:

the image acquiring device according to any one of claims 1 to 5,

feature extraction means for generating features of an iris region of the subject from the in-focus image selected by the image judging means, and

feature extraction and matching means for generating features of the iris region of the subject from the in-focus image selected by the image judging means and matching the features with previously acquired features of the iris region.

[Claim 9] An image acquiring method comprising

generating first voltage information that can identify voltage applied to a first variable-focus lens which is included in first imaging means installed in a position where a subject can be photographed and whose focal length changes in accordance with an applied voltage, and generating second voltage information that can identify voltage applied to a second variable-focus lens which is included in second imaging means installed in the position where the subject can be photographed and whose focal length changes in accordance with an applied voltage,

wherein

the first voltage information is information that can identify each voltage in a time series of voltages whose values change with time,

the second voltage information is information that can identify information that each of the voltages identified by the first voltage information is applied to the second variable-focus

lens after a predetermined period of delay, and

the method further comprises selecting one image taken at an in-focus position among images input from the first imaging means and the second imaging means.

[Claim 10] A computer readable recording medium storing an image acquiring program, the image acquiring program causing a computer to execute

a process of generating first voltage information that can identify voltage applied to a first variable-focus lens which is included in first imaging means installed in a position where a subject can be photographed and whose focal length changes in accordance with an applied voltage, and generating second voltage information that can identify voltage applied to a second variable-focus lens which is included in second imaging means installed in the position where the subject can be photographed and whose focal length changes in accordance with an applied voltage,

wherein

the first voltage information is information that can identify each voltage in a time series of voltages whose values change with time,

the second voltage information is information that can identify information that each of the voltages identified by the first voltage information is applied to the second variable-focus lens after a predetermined period of delay, and

the image acquiring program causes the computer to further execute a process of selecting one image taken at an in-focus position among images input from the first imaging means and the second imaging means.