INSTRUCTION MANYUAL
A Security Camera Software
authorized by
The Society for the e-JIKEI Network
Dairi EYE Simple version 1.0

Thank you for this software's having the concern. Please use this software only when "Use permission condition of software" distributed with this "Manual" and this program can be read, and understanding and the agreement be gotten from all notes and provisos.

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1. Introduction
This program is an image insertion corresponding to Video for Windows such as USB cameras and the capture boards.
It is the one to preserve the image on the hard disk when the image is continuously taken from the power device, and there is a change in the image.
** This program is one basically specification to the camera. However, it is also possible to use two cameras or more. In that case, please refer to "Use of 5.2 cameras or more".

[CONCEPT OF e-JIKEI NETWORK]
A community with many residents keeping occasional watch around their houses has the potential to inhibit crime. In days gone by, there were many communities like this. However, in our times, when individualism and selfishness become increasingly common, there are very few communities like this. This often results in a lack of eyewitnesses of crimes in our modern communities.
On the other hand, security camera systems are now widely used and have an important role in reducing crime and identifying suspects. As for the typical usage of the security cameras systems, many problems seem to arise from the fact that they are introduced only for the benefit of the owners. One problem is that it is expensive to obtain a complete surveillance of an owner's property. A second problem is that a typical system usually keeps watch only inside the owner's property, so it cannot help with the safety of the community. A third problem is that it sometimes gives the pleasant feeling to the neighbors in case the system watches outside the owner's property. The authors argue that these problems can be solved if the camera systems are introduced within an altruistic community-minded framework.
We contend that a community will have a strong ability to prevent crime if many residents keep watch on what happens around their houses with the aid of their own home computers, commercially available cheap cameras, and free-software.
If the system of security cameras connected to computers and to the Internet spreads nationwide, it could result in a very powerful and flexible social structure. In addition, the software installed in each system could be easily upgraded. This means that this social structure could lead to very interesting subjects and applications for researchers and companies. In the near future, more intelligent functions could be achieved, such as the detection of doubtful motion, the sending of danger messages to the police, and facial comparison with the photos of wanted persons. Real-time chasing of suspected persons will be possible if the crime is very bad and most of the citizens give the police permission to access their own surveillance system. A country with many local communities having this facility will obtain good homeland security.

However, privacy protection is still one of the most important and delicate issues in promoting the concept. We have generated user guidelines as a part of the conditions of use of the software, in which a careful consideration of privacy issues is required. The users of the software are asked not to watch the obtained pictures without appropriate reasons, so as to prevent them from knowing unnecessary information of neighbors' behaviors. When the concept becomes more widely spread across the nation, new laws will be required for defining the rights of and constraints on the owner of each system including large amount of the obtained information.

[SOFTWARE USE AGREEMENT]
[Software Use Agreement]
If you use the software of e-JIKEI Network Project Term, then you have to agree to the following four terms.
(1)Do not make bad use of the software.
  You can make bad use of anything. This software is implemented and distributed for crime prevention; however, you can make bad use of the software, for example, for sneaking pictures. "Security camera usage guideline", which is stated elsewhere, is a part of this software use agreement. Read this guideline and do not use the software against this guideline. Although "Security camera usage guideline" is written in stiff style, in brief, this guideline asks you not to make bad use of the software. Since this software has ability, you would invade other's privacy as a result even if you do not would like to. To prevent such troubles, we strictly provide what you must not do in "Security camera usage guideline". For example, when you use the picture obtained by this software for the purposes except criminal investigation of

police, you have to give careful caution. When police asks you to provide the picture obtained by the software, it depends on your decision and responsibility whether you comply with such a request.

(2)There is no warranty for this software.

We hope but do not warrant that the software works rightly and usefully for crime prevention. We do not take responsibility for the effectiveness such as loss or damage that you can obtain by using the software.

(3)We hold the copyright of this software.

We can use the software freely as long as you agree the four terms. However, the copyright of this software belongs to us.

(4)Do not redistribute this software.

You have to keep the serial number. Only registration users can use this software. Do not redistribute this software and serial number.

[Security camera usage guideline]
(Introduction)

Security camera systems including the free software distributed by e-JIKEI Network Project Team is developed for those who feel that they would like to contribute local area security with the mind of mutual help. We do not hope that the people without this mind use this security camera system. The system has much ability and we think that if we use it rightly, then we can improve local area security. However, because of this ability, it is feared that if you make bad use of this system, you would cause the social big issues. It is also feared that if you innocently reveal information obtained by this security camera system, then you would cause serious results such as invasion of other's privacy. We make the following strict terms a part of usage agreement so that e-JIKEI Network Project Team Software contributes social security which is our purpose.

(Object)
ARTICLE 1

The object of this guideline is to provide the teams that security camera system administrator must obey. We mean that security camera system is the system which consists of e-JIKEI Network Project Team software, computer in which the software is installed, equipment displaying or storing the picture taken by camera.

(Primary principle)
ARTICLE 2

You must use security camera system for realizing the secure and peaceful local community and preventing crime and accident.

(Prevention of the illegal invasion of other's rights)
ARTICLE 3

Security camera system users must prevent the illegal invasion of other's privacy or rights in the usage of the system.

(Safekeeping of pictures)
ARTICLE 4

Security camera system users must safely keep the pictures obtained by the security camera system and the storage media of the pictures and prevent leak of the pictures.

(Limitation of providing the pictures)
ARTICLE 5

Security camera system users may reveal the pictures obtained by security camera system only for criminal investigation or social common idea or legal reasons. However, in any cases, decision of revealing the pictures obtained by security camera systems depends on the user who owns the pictures.

(Duty of confidentially)

ARTICLE 6

Security camera system users must not leak the secrets of others that the users know by the picture of security camera system.

(Limitation of software distribution)
ARTICLE 7

No one must provide this software to those who would use security camera system against this guideline.

(Interview and confirm of security camera system usage)
ARTICLE 8

Section 1: e-JIKEI Network Project Team have the right to send out questionnaires to the security camera system users about security camera system usage situation by e-mail and so on.

Section 2: Security camera system users must reply the questionnaires as much as possible, however, the users have the right to deny the questionnaires.

2. How to use
Start method

The initialization screen like the under appears when this software is started. Here, it explains the display of the initialization screen.

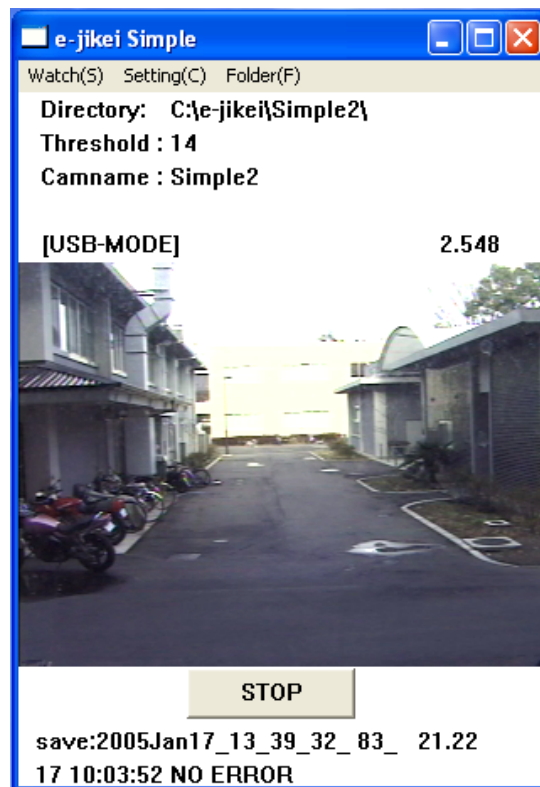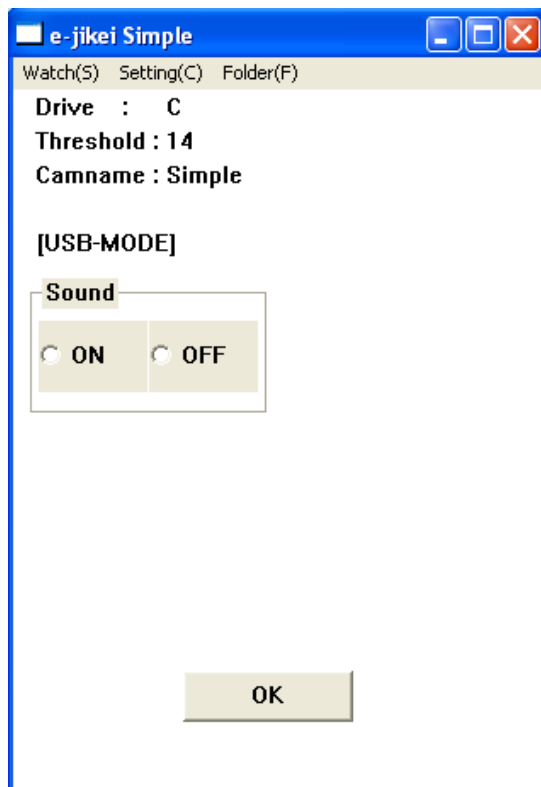DRIVE : The drive of the disk where the watch preservation is done is specified.

Threshold : It distinguishes when there was movement in the image when "Size of the movement of the image (difference value)" exceeds this value and the image is preserved.
**It becomes the smaller this value is, the more sensitive to movement. Please set this value between 0 to 255.

Camname : The name is set to the observed camera. This camera name becomes the name of the preservation folder.

Sound : It is judged that there is someone in front of the camera when the image is continuously preserved when setting it to "ON", and sounds the warning sound from PC.

OK :The initialization screen is shut and it moves to the watch screen.

Next, the watch screen like the under appears when the OK button is pushed. The image that is reflected in the camera as of now is displayed on the watch screen. Here, it explains the display of the watch screen.

Directory : The place where the image is preserved is shown.
　　　　　**It is shown as "C:¥e-jikei¥Simple¥" that the image is preserved in the folder named Simple in the folder named e-jikei in C drive as for this in the example above though it is. This name of Simple becomes a camera name set on the previous initialization screen.
Threshold : Initialization screen and agreement
Camname : Initialization screen and agreement
Figure in display image
　　　　　:The size of the movement of a present image (difference value) is shown. When the threshold that this value set is exceeded, the image is preserved.
　　　　　**We will recommend the threshold to be set referring to this value.
START　　: When this button is pushed, the watch is begun.
　　　　　**If this button is not pushed, the watch is not begun.
Display under screen
　　　　　: When preserved, the file name of the image is displayed. The file name of the image becomes"year_month_day_hour_minute_second_number_difference".

Next, it explains the menu prepared for in both the initialization screen and the watch screen.
Watch
・[Watch]→[Quit]
　The watch is ended, and the window is shut.

Setting
・[Setting]→[Initialization]
　It returns to the initialization screen.
・[Setting]→[Preview]
　ON・OFF of the preview function of the watch screen is switched.
・[Setting]→[Camera setting]
　The camera is set. Please set only confident one to the setting of the camera.
　　**The setting of "Setting" → "Camera setting" is different depending on the specification of various cameras. There might not be response even if it selects it.

folder
・[folder]→[opens up folder]
　The folder where the image is preserved is opened.

When you use two cameras or more
　Please change in the camera name on the initialization screen when you use two cameras or more. If the camera name is not changed, it is likely not to operate normally.

3. Edit of configuration file
Here, it explains "e-jikei.ini" enclosed with this software. Even if the configuration file is not edited, this software can be used. On an initial screen, the person who wants to use this software easily can set it without editing the installation file.

**Please input it by normal-width when you edit configuration file "e-jikei.ini". Moreover, please do not

change excluding the part specified as shown in the under. ("=" Please edit only the right side.) This software might not operate normally when I will do a wrong edit.

The screen like the under appears when "e-jikei.ini" is opened.

[MAIN] part
The [MAIN] is a necessary part for basic use. The details are shown as follows.
DRIVE＝C
・The drive is set preservation ahead. When it is this example, C drive is specified.

CAMNAME＝Simple
・The camera name is set. When it is this example, it is set as Simple.

GETTIME=300
・The acquisition time of the image is set (The unit becomes a millisecond). When it is this example, the image is acquired at frequency of about three a second.

SIKII=200
・The threshold is set. When the size of the movement of the image exceeds this value, the image is preserved. It becomes the smaller this value is, the more sensitive to movement.

SOUND＝0
・ON・OFF of the warning sound is set. If it is "0", it turns off, and if it is "1", turning on.
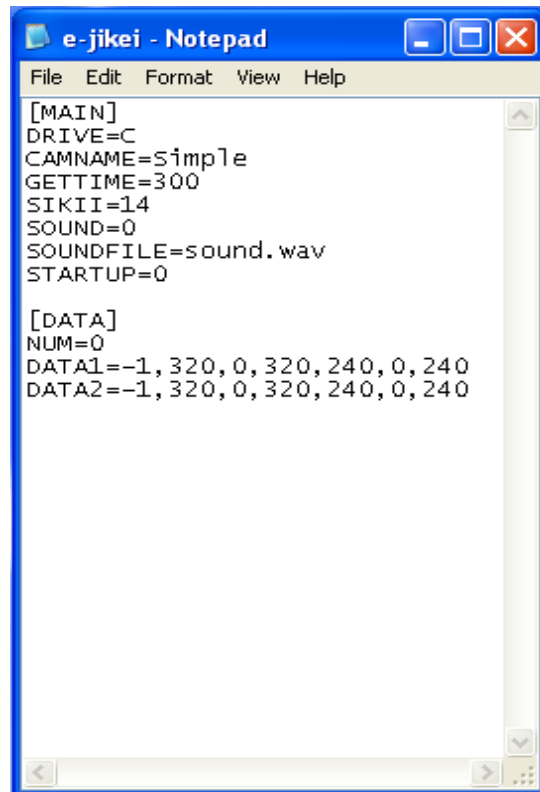
SOUNDFILE＝sound.wav
・The warning sound is selected. When the warning sound enclosed with this software is used, it is not necessary to edit it.
　**Please put the file of the warning sound on the same place as the execution file when oneself sets the warning sound.

STARTUP＝0
・Whether the initialization screen is used is set. It is not done that the initialization screen is done if it is "0", and if it is "1", uses it.
**The watch screen appears at once when this software is started when the initialization screen is not used.

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e-jikei - Notepad

File Edit Format View Help

```
[MAIN]
DRIVE=C
CAMNAME=Simple
GETTIME=300
SIKII=14
SOUND=0
SOUNDFILE=sound.wav
STARTUP=0

[DATA]
NUM=0
DATA1=-1,320,0,320,240,0,240
DATA2=-1,320,0,320,240,0,240
```

[DATA] part
The [DATA] recommends oneself who is well versed in PC to edit it it is. The [DATA] is set when there is a place that wants to give priority to the watch further usually when the area that doesn't want to be observed is excluded.

NUM＝0
・This shows the number of rectangular areas where it wants to do the weight putting to the movement detection. In this example, a present special area setting number becomes 0 places.

R : Weight for addition to set concerned, area. For instance, an area concerned is assumed to be "-1.0" in case of "Disregard". If it is "0.0", the weight for the addition is 0, and the area setting becomes meaningless. The area concerned sensitivity increases by a factor of 11.0 if it is "10.0".
x0: Width of screen(The unit is mm.)
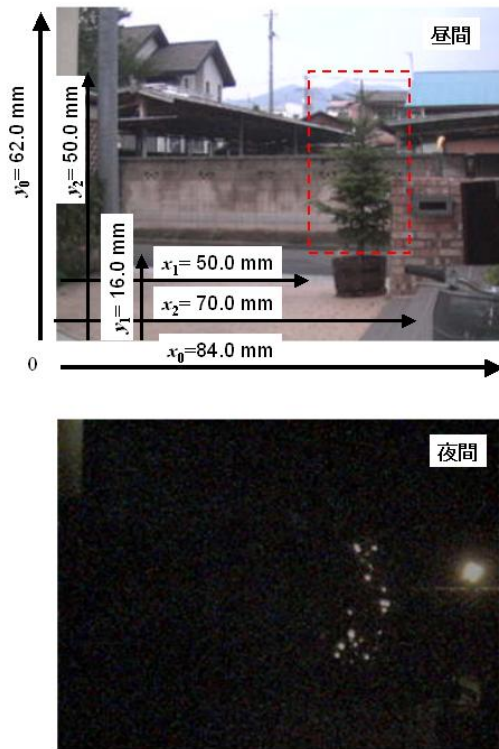x1: Length from screen left end to the vicinity at the left of specified rectangular area
x2: Length from screen left end to the vicinity at the right of specified rectangular area
y0: Height of screen(The unit is mm.)
y1: Length under screen to the vicinity lower in specified rectangular area.
y2: Length under screen to the vicinity upper in specified rectangular area.

It tries to specify the area enclosed with the dotted line with a red figure below for "Special area". In this example, it is set to disregard "Tree right that blinks automatically at nighttime".

昼間

$y_0 = 62.0$ mm
$y_2 = 50.0$ mm
$y_1 = 16.0$ mm
$x_1 = 50.0$ mm
$x_2 = 70.0$ mm
$x_0 = 84.0$ mm
0

夜間

4. Inspection of preservation image

The image can be inspected by selecting "Folder" →"The folder is opened preservation ahead" of the menu of the screen as described by "2. the start method" when the preservation image is inspected. Moreover, it is also possible to inspect the image by opening the folder of "e-jikei" in the drive specified in addition. The preserved file name is preserved by "year month_day_hour_minute_second_number_difference".
It is also possible to inspect the image with this software started.

5. Use of two cameras or more

Here, it explains use when two cameras or more are used. We will recommend this to a little well versed in the personal computer.

First of all, there are two methods when two or more cameras are used.

One first of all increases the execution file and the configuration file, and please copy and increase only the amount of the camera used. Please make it for a mutually different place (folder) when you increase these. Please change the item of "NAME" of configuration file "e-jikei.ini" when it is possible to increase it by copying it. The program doesn't move normally when two or more cameras are set to the same name.

The second is a method of changing the camera name at the initialization screen. This program is started by the method of "2.an easy usage", and the second in this method is started. Please change "Camera name" on the initialization screen when the second is started.