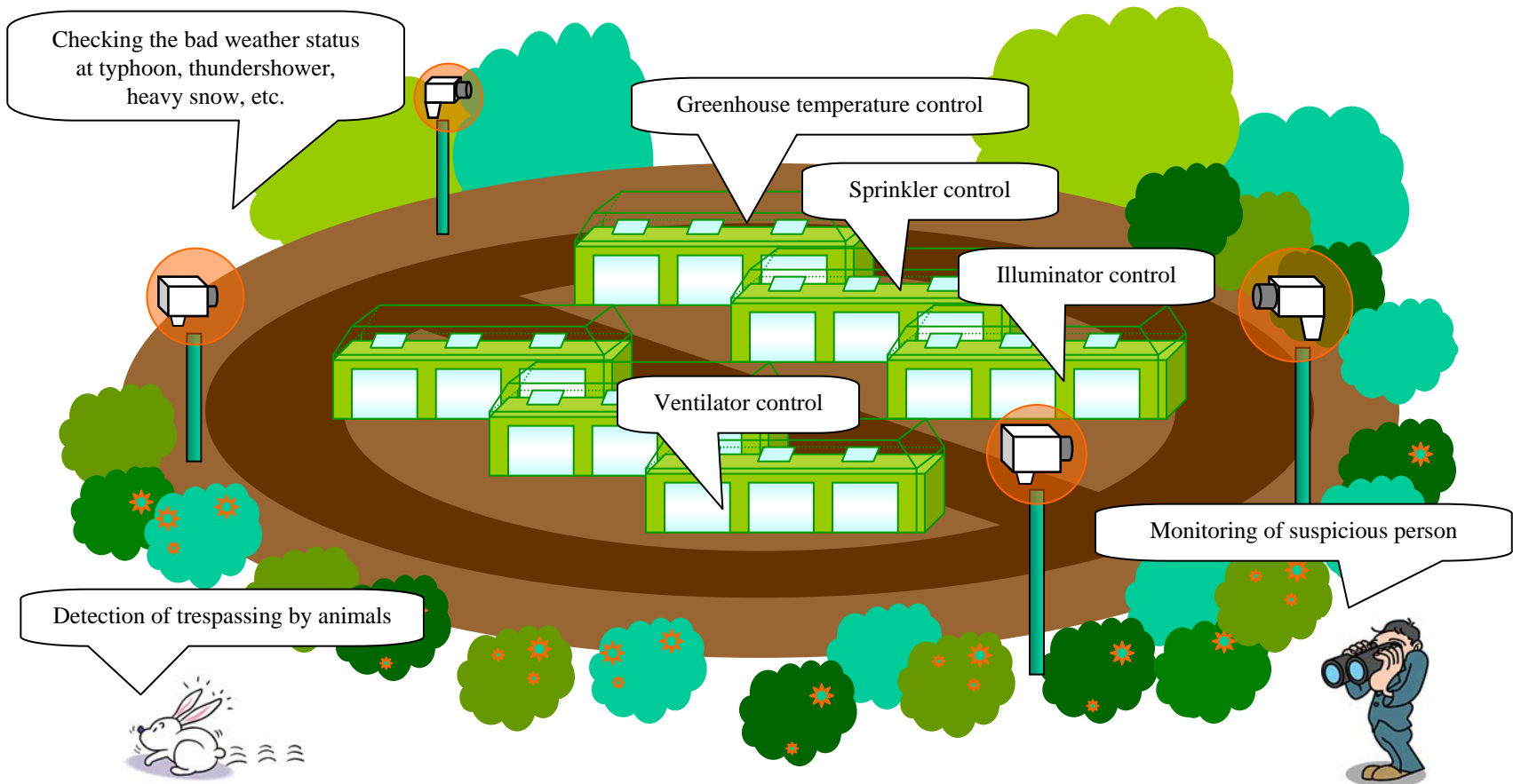# IT farm - Farming safety management system

Possible to manage checking the realtime video of vast field. Capable of remote manipulation of equipments

Checking the bad weather status at typhoon, thundershower, heavy snow, etc.

Greenhouse temperature control

Sprinkler control

Illuminator control

Ventilator control

Monitoring of suspicious person

Detection of trespassing by animals

[Remarks]
The application examples published herein, are intended as hints for users for studying potential applications.
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* Capable of central monitoring of videos at any site in the farm through PC at management room or private house.
  In combination with periodic patrol, applicable effectively to ealy finding of trespasser, abnormality of crops and early actions.

* Possible to manipulate each equipment and turning On/Off of switches, through PC screen.

* Applicable for emergency actions effectively, as capable of bi-directional communication with video/voice
  by connectiong 2 sets "LsBox". Possible to understand precise status by viewing real video.

* Our own compression system : KAM is remarkably small in file size, compared with MPEG, and the load on the line
  can be reduced at file transfer. Dedicated software is required at playback, but applicable effectively by security enhancement.

Local site

◇Control of each equipment
Temperature control
Sprinkler switch
Illumination switch
Skylight window
opening/closing

Status in farm (1)

Status in farm (N)

LsBox

◇Manipulation of equipments

Built-in LsBox

Setup box
(example)

Emergency report

Found unknown
harmful insect.
Here it is.

Camera
Microphone

Operation button, etc.

Small LCD

Speaker

Possible to distribute part of video to
outside party through internet /dedicated line

Manager, etc.,
outside the office

Possible to receive video by PDA

Private house,
management center, etc.

Example of display

Agricultural
cooperative, etc.

Noted, will send the
video to the
specialist professor
in the university.

Possible to understand precise status by viewing real video

This is a basic system and possible to customize according to management system and environment status