

SMART BIRDHOUSE

TECHNOLOGY DESCRIPTION

- The implementation deals with the monitoring of bird activities located in bird boxes through new sophisticated technologies.
- The so-called “smart bird box” is equipped with a special software and hardware for online monitoring of bird nesting and for video recording of bird activities.
- The smart bird box is brought into operation using a PoE cable. The user must provide suitable conditions for the installation of the smart bird box (garden) and a power supply and an Ethernet socket with internet connection within 60 m of the nest box.
- Technical support and project management are provided by the Czech University of Life Sciences Prague.

UNIQUE FEATURES AND ADVANTAGES

- Possibility of webcast or video recordings of all bird activities performed.
- The user interface allows you to specify the recording (e.g. recording length).
- Use up to two cameras – one against the box opening, the other on the ceiling of the box (against the nest), the use of sensors for sensing temperature and light intensity.
- The use of a microphone to audio recording.
- Application throughout the year.
- The project is guaranteed by the University, which also provides technical support and data backup.
- Custom data processing capability.

POTENTIAL APPLICATION AND USE

- Monitoring birds nesting in bird boxes is a non-invasive method of observing and collecting data that is applicable in many environments.
- The solution provides educational, scientific and popularization benefits to a number of state and non-state institutions, but can also be used by private individuals.

WHAT WE LOOK FOR

- We are looking for users.

THE OWNER OF INTELLECTUAL PROPERTY

CULS

IP STATUS

Know-how

TECHNOLOGY READINESS LEVEL

Prototype

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