Bird Detection System

The system detects birds by using radar, camera, and image processing technology, and processes the detected information with a data processing device. Based on the detected information, the controller directs bird patrol personnel to drive away any birds and implements measures to mitigate a bird strike in real-time. The system configuration of radars, cameras, and terminals enable a design that responds to the scale, needs, and other characteristics of a specific airport.

In addition, the detected data can be utilized in ecological surveys and preventative measures. It can also be used to contribute to improving long-term airport safety management through the sharing of information at the airport operation center as part of the security management system of the entire airport.

Overview of Bird Detection System

Tactical use

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Strategic use

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Radar

A combination of S band radars and radar signal processing devices detects the location and flight direction of birds flying in the area around the airport.

Surveillance Camera

Surveillance cameras use image processing to automatically detect and display the location of birds in areas that cannot be detected by radar, such as birds moving on ground surfaces, near obstructions, and near takeoff and landing zones.

Detected by radars (Long-range)

Detected by cameras (Short-range)

Option

- Tablet Terminal for patrollers
- Sound Deterrent System

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