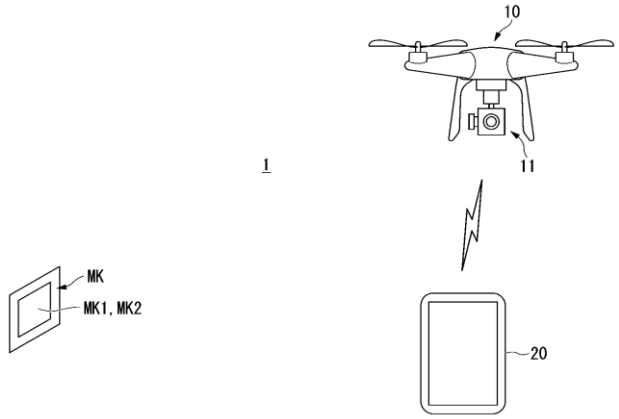
Tohoku Univ. Technology

Marker, information processing device and program

Detect more information from captured image with accuracy while avoiding the increase of marker number



10. Moving object
11. Imaging unit
20. information processing device
MK Marker
MK1 1st marker
MK2 2nd marker

Overview

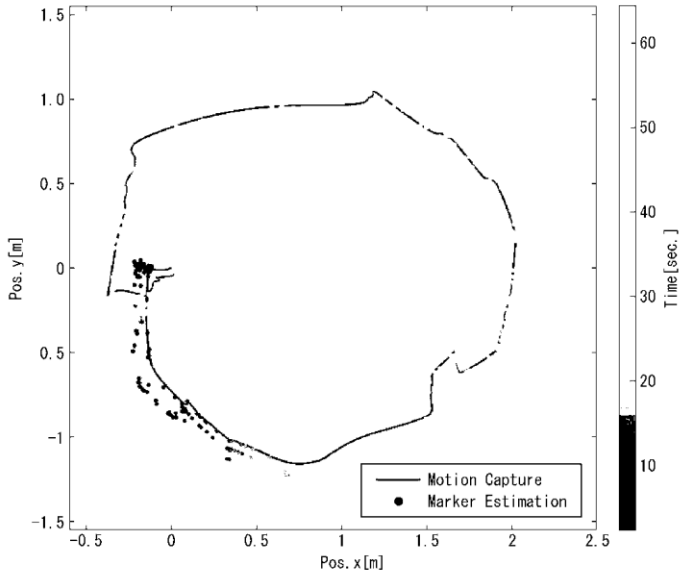
Currently, research and development are being conducted on information processing device that reads information indicated by markers on the image taken by a moving object such as robot, and that controls the moving object. More the complexity of mobile object movement increases, more the information quantity to be read from the markers becomes important. When there are huge information, the information of each marker is read by the information processing device, but the marker number increases as the information increases. As a result, the information processing device is unable to operate the moving object with accuracy.

This invention is able to provide marker, information processing device and program that can accurately detect more information from the captured images in which markers are captured, while avoiding the increase of marker number. This invention has 1st marker indicating the 1st information and 2nd marker indicating the 2nd information that are superimposed on the marker, which reflect electromagnetic wave of each wavelength band and indicate the information by different encoding. This allows more information to be detected with accuracy from the captured image, while avoiding the increase of marker number.

Product Application

- ☐ Robot
- ☐ Drone

The moving object position can be calculated with accuracy based on the marker of the image



IP Data

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