Abstract

TARGET DETECTION DEVICE, TARGET DETECTION METHOD, AND TARGET DETECTION PROGRAM

Object

To detect a target with high accuracy while suppressing processing amount.

Solving Means

A target detection device including: a storage unit configured to store a plurality of pre-trained models using a deep learning network model for detecting a target from an image; a camera unit configured to acquire an image; and a target detection processing unit configured to execute parallel processing on the acquired image using the plurality of pre-trained models and detect a target based on detection results of the pre-trained models, wherein each of the pre-trained models differs from the rest of the pre-trained models in a size of a target to be extracted.

[Selected drawing] FIG. 1