

ABSTRACT

The present invention provides an overhead contact line fitting abnormality detection device and an overhead contact line fitting abnormality detection method that make it possible to provide a dataset for improving the detection accuracy of abnormalities in overhead contact line fittings. The present invention is provided with: line sensor cameras 10L and 10R provided with fisheye lenses and placed on a vehicle roof; a trimming unit 141 that trims areas outside target image-capturing ranges from an image 50L captured by the line sensor camera 10L and an image 50R captured by the line sensor camera 10R; and an image horizontal inversion processing unit 142 that horizontally inverts either the image 50L that was trimmed or the image 50R that was trimmed such that orientations of overhead contact line fittings that were captured match with respect to the center positions of the line sensor cameras 10L and 10R, and from among the trimmed images, an image that was not horizontally inverted and an inverted image obtained by one of the images being horizontally inverted are provided as processed images for detecting abnormalities in the overhead contact line fittings.

Fig. 1