

## **Development of Obstruction Warning Signal Detection Device**

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Obstruction warning signals indicate a stop signal to the driver when a situation occurs that disturbs train operation, such as at a level crossing. On many railway lines, drivers check the flashing of obstruction warning signals visually, which may cause a risk of missing the signal. For this reason, a support device was developed that detects flashing lights from images taken by a front camera and alerts the driver to pay attention to the train ahead. This paper describes the detection methods and the device used to detect flashing, and report on the verification results in commercial train operations.