

Blinking Detection for Obstruction Warning Signal using Front Camera

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When a situation occurs that hinders train operation at a level crossing and the like, obstruction warning signals indicate a stop signal. At present there are risks such as oversight, since this system relies on the driver's visual observation. Therefore, this research aims to make this system more secure. In this paper, we propose a detection method for the blinking of obstruction warning signals and perform the evaluation tests. As a result of the evaluation tests, they are detected with a detection rate of about 90 percent at a distance equivalent to 600 meters under running conditions.