

**Configuration and Safety Confirmation Method of Image Processing System Applicable to Signalling Devices**

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In recent years, image processing has been applied to the visual inspection of rolling stock and railroad tracks. It is also expected to be applied to abnormality detection applications at level crossings and platforms, however safety assurance is an issue for signal security applications. In this paper, we report on a method for composing an image processing system using general-purpose processing equipment that can be applied to signal security equipment and a safety confirmation method.