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(57) Abstract :

The present invention discloses a system for providing machine learning based interpretation of digital video with computer vision means. the present invention formalizes fundamental ideas and methods for video interpretation in the context of building. Its main goal is to develop a system that will enhance communication between existing knowledge of construction operations and computer vision methods. This technique is used to direct the identification of aberrant production scenarios, the classification of work states, and the detection and tracking of project resources. The developed strategy might serve as a basis for creating automated video interpretation techniques that would significantly advance the way data is now collected and analyzed in the various industry. The proposed video interpretation approach has the potential to be a more productive data processing tool, according to experimental findings from preliminary idea. Accompanied drawings [FIG. 1-2]

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