

ABSTRACT

A surveillance system and method for detecting a foreign object, debris, or damage (FOD) on a runway. The system comprises one or more cameras for capturing images of the runway; and an image processing system for detecting the FOD on the runway based on adaptive image processing of the images captured by the cameras; wherein the surveillance system is adaptively operable for FOD detection under both day and night ambient light conditions without assisted illumination such as infrared or laser illuminators.