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(54) Title of the invention : AN INTELLIGENT TORCHLIGHT

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(57) Abstract :

The main purpose of the present invention is to detect the object selected by the user. The main design of our invention discloses an intelligent torchlight, which comprises the camera and LED lights. Usually, torchlight is used to search for something at night time or provide light in the darkness, but our present invention detects the objects and notifies the user. Initially, if the user wants to search something, then the user should select the search objects by means of mode switch. After that, the smart video acquisition captures the high resolution video of objects and processing the video based on the parallel framework by the video processing unit. Then, the deep learning classifier classifies the objects based on the received video frames. Finally, the LED light emits green light to notify the user if the selected object is detected. [To be published with Figure.1]

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