

Automatic Dairy Cattle Lameness Detection System

This video shows the first steps towards an automatic lameness detection system for dairy cows. Four sensors record 3D data as cattle walk past. A Neural Network has been trained with hand-labelled data to detect hooves. These detections are projected to 3D and tracked to provide four hoof trajectories. Limb motion is an important indicator of lameness, and an example of hoof placement is shown for a healthy and severely lame cow.

For more information see our video on [youtube](#) or read our [paper](#)