

Topic

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Cattle Eye as a tool to assess lameness in the dairy herd

Animal Welfare



Society friendly



Background

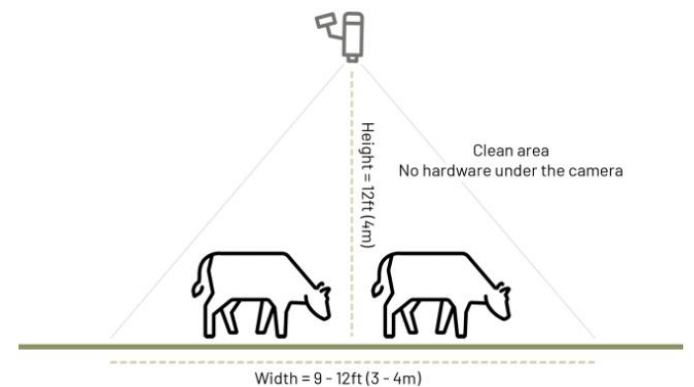
AHDB have estimated lameness to cost between £3.30 - £6.80/ €3.80 - €8 per day per cow depending on how lame she is. In order to minimise these losses and optimise animal welfare, lameness needs to be detected at a very early stage. However, this is very difficult to do by eye. Cattle eye offers a technology that mobility score dairy cows using cameras.

How does Cattle Eye work?

- Cattle eye uses low-cost security cameras to monitor locomotion in cows and highlight any individual cows that require attention.
- The cameras are placed near the exit to the milking parlour (or robot) where cattle can be monitored walking past at least two times a day.
- The standard security camera is mounted over the exit race of a milking parlour.
- The camera captures video footage of each cow as it leaves the milking parlour. It also pulls in ID information if available from your sort gate or RFID system. Artificial intelligence algorithms in the cloud analyse the footage to uniquely identify the cows and monitor welfare and an increasing number of other behaviours.
- The system then delivers these insights right back to the farmers smartphone and/or integrated with your farm's herd management system.
- The system can also track body condition score

Positive features

- Helps automatically meet requirements for locomotion scoring
- Identifies lameness issues early this enabling prompt treatment. Thus, minimising discomfort to the animal and minimising milk yield loss and treatment costs.
- The system can also monitor body condition score



Camera



Cow



Identification



Behaviour

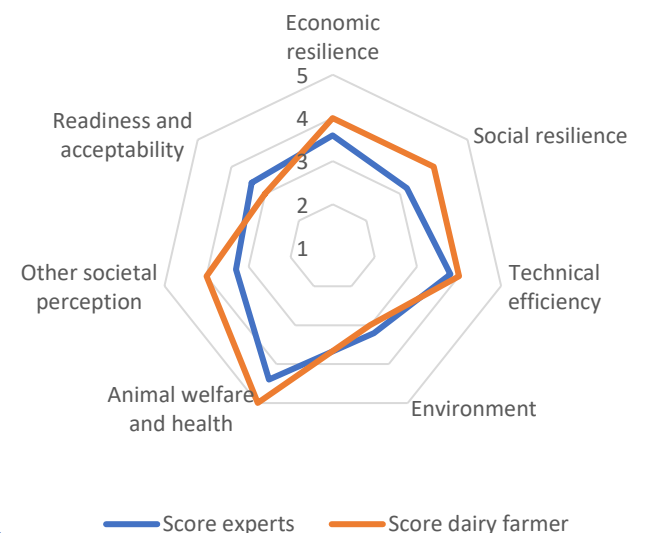


Insights

Equipment involved? Investment?

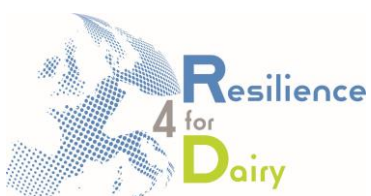
- Capital investment is relatively low as the system works of a standard low-cost security camera.
- If you don't have one already you will need to construct a race at or near the exit to your milking parlour / robot.
- CattleEye insights is a cross-platform dashboard accessible on your smartphone, tablet or PC.
- CattleEye Insights enables you to monitor your cows health and performance in real-time. It provides a dashboard that tracks and visualizes a number of key metrics at both the herd and cow levels.

Assessment of method



Quote of the farmer:

"Cattle Eye allows me to detect and treat lameness at an early stage"



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