

EBroilerTrack Image (ITAVI): Broiler dynamic welfare on farm assessment



ITAVI is a French national institute for applied research in poultry, rabbit and fish. The EBroilerTrack image is an innovative approach using image analysis to track each broiler individually within the camera's field of view throughout the entire rearing period. The developed algorithms allow individual broiler mobility indicators to be collected. This data can then be used by farmers to improve their broilers' welfare, primarily by enabling them to anticipate potential health or technical issues as early as possible.



Fig.1 - EBroilerTrack Image analysis on Farm

2 CAMERAS
RECORD EVERY 2 DAYS
3 HOURS/DAY

Examples of measures:

- % Active animal / % Resting animal : mean and Standard Deviation/day
- Time spent eating/drinking (s)
- Speed (cm/s) and distance (cm) /day
- Distribution of the birds



aWISH Project
Website