



SERKET x **HIKVISION**[®]



JOINT VALUE BROCHURE

**CREATING LIVESTOCK HEALTH
MANAGEMENT SOLUTIONS TOGETHER**

Purpose-built computer vision powered by AI
for livestock health management

About Serket Piguard

PIGUARD software analyzes images captured by security cameras using image recognition and Deep Learning algorithms.

This means the software can monitor (24/7) each individual pig's health status and behavior and informs farmers via both web- and app-based interface, allowing them to take appropriate action at an early stage.



Technical Details

Solution Type Health Monitoring Platform
Cloud Hosted Storage

Integration Protocol RTSP

Product Languages English/Dutch/Hungarian

Regions Europe

Integrated Hikvision Products

✓ Network Cameras

Supported Product Models and Versions

All Hikvision cameras

Solution Architecture

Hikvision and Serket provides a solution using regular security cameras and artificial intelligence to identify health, reproduction, and environmental changes early on. This solution can be deployed across pig houses and pens and helps farmers have more control over their livestock, calibrate their feeding and drinking systems, and reduce excessive use of antibiotic treatments. This ultimately reduces the mortality rate and increases production.



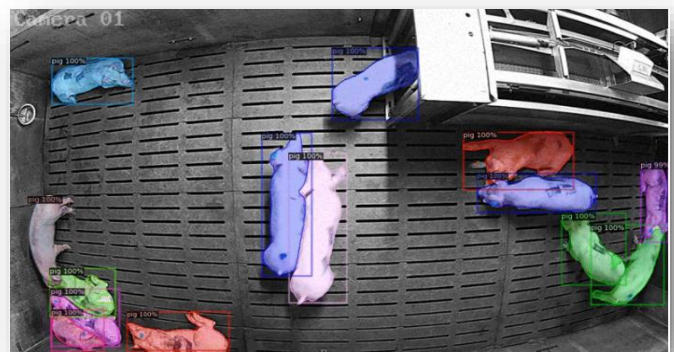
Key Benefits

Enhanced Animal Health

Automatically detect sick animals, tailor the use of antibiotics; respond quickly and treat or cull sick pigs to reduce the risk of epidemic spread.

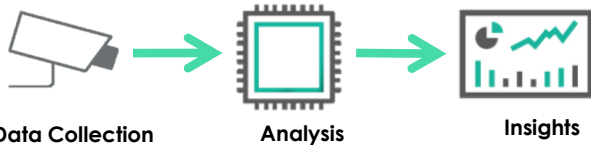
Improved Animal Welfare

Improve animal welfare by isolating aggressive animals and reducing biting through animal behaviors detection and analysis.



Increased Profitability of Farmers

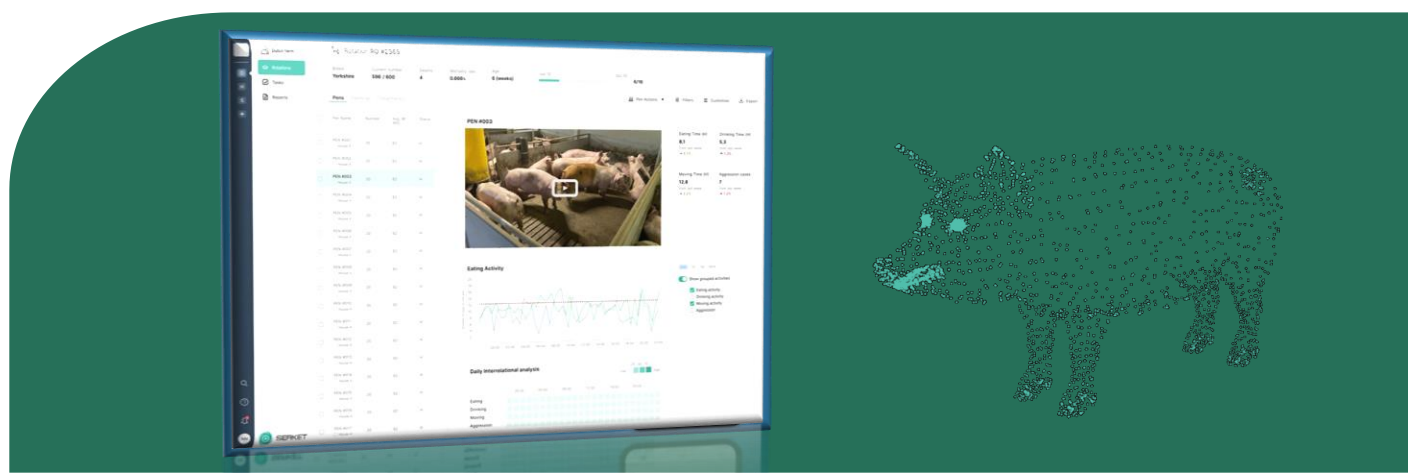
Reduce heat stress of pigs via behavioral analysis and feed supplement intervention, resulting in sustainable practices and improved farm productivity.



Optimized Operation and Management

Business performance dashboard integrated system provides analyzed data points from multiple sources to help farm owners improve livestock management (e.g. feeding routine and amount) and farm operations.

Precision management of operations and operational efficiencies including labor and profit optimization.



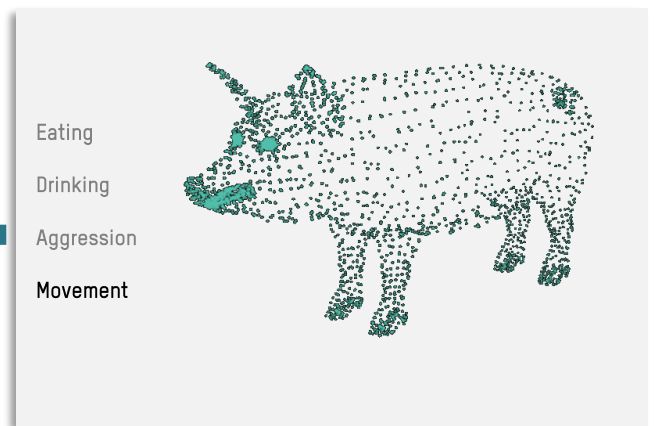
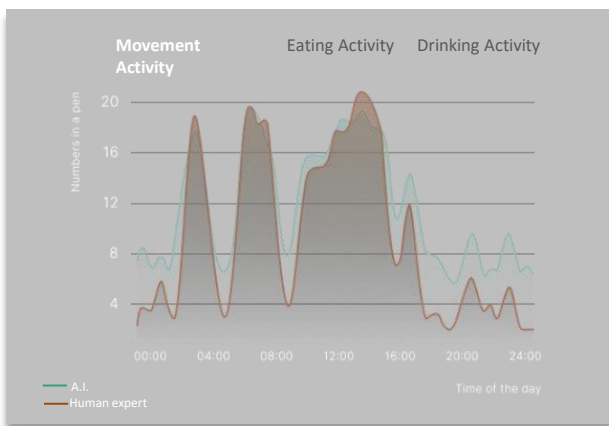
Key Features



Animal tracking: 24/7 with alerts to provide timely feedback given to farmers



Behavior detection: use security cameras and artificial intelligence to detect eating, drinking, aggression, and movement of livestock



Farm reports: make custom reports for livestock like feeding reports, animal movement mortality, and treatment records, etc.



Intelligent task management: create task to assign worker at scheduled time as demand


Serket

X

Hikvision

Targeted Industries (Verticals)

 Agriculture

 Pharmaceutical (Livestock)

About Us

Hikvision Digital Technology

Hikvision is an IoT solution provider with video as its core competency. At Hikvision, we believe that it's the close collaboration with our ecosystem of partners that accelerates innovation and development, while also securing maximum value creation for clients.

We work closely with hundreds of the best manufacturers of technical hardware and software systems in the security, automated manufacturing, and IoT industries. Our Technology Partner Program demonstrates how clients can use Hikvision technologies with full confidence that we provide vendors the right tools for comprehensive integration and compatibility with all our products, empowering our joint-value solutions to address pain points in various industries.

Serket

Founded in 2016, Serket is a global livestock health management business developing an innovative livestock monitoring solution to help pig producers improve the way they check on the welfare of their livestock. Through this innovation we solve severe human labor shortages on farms.

Inspired by the hardworking farmers who feed the world, Serket is an award-winning technology company that is developing a sensor-free artificial intelligence that uses camera vision to enhance farm operations in real time.





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