



AIPIG COUNTER



AI Pig Counting System

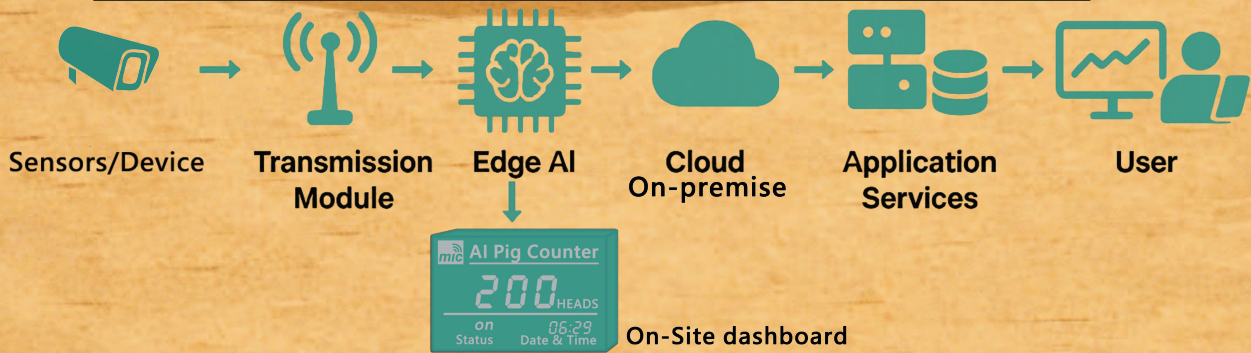


AIoT Pig Counter Kanban

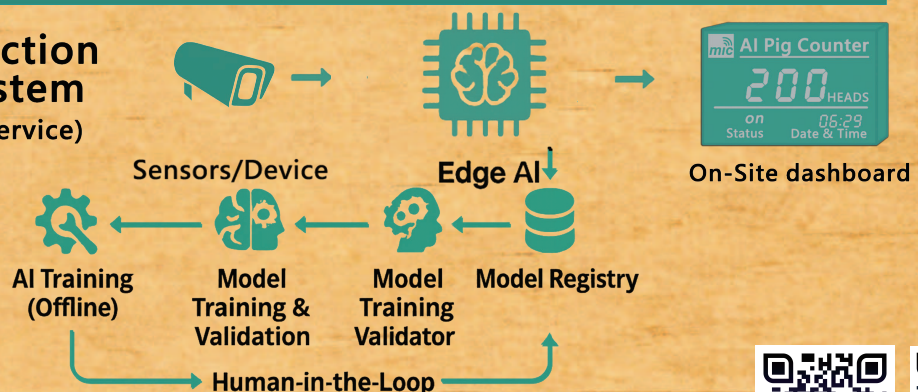


AIoT Pig Counter Kanban (A4)

(AI Pig Counter) System Architecture



On-Site AI detection and display system (Non-Cloud storage service)



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AIoT PIG COUNTER

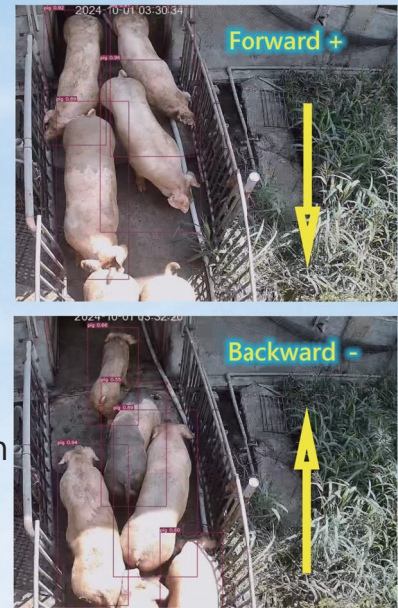
(RS485 Interface / Accurate Counting / Real-time Monitoring)



The AIoT PIG COUNTER is an intelligent counting and monitoring device designed specifically for pig farms. It is suitable for continuous on-site rearing or multi-location segmented management. Easily integrates with existing farm systems to help farmers monitor pig movement in real time. AI models can be trained for different pig types, supporting entry/exit pen management, pre-transport counting, and daily feeding statistics. Its high-accuracy sensing technology effectively reduces false detections and duplicate counts.

Product Features

- **RS485 Communication Interface:** Stable long-distance transmission with GPU-based edge computing.
- **Wireless Connectivity:** Supports MQTT, WiFi, and 4G with mobile monitoring.
- **Real-Time Pig Counting:** Instant display for clear on-site management.
- **High-Accuracy AI Detection:** Reduces false detections and duplicate counts.
- **Edge AI Processing:** On-site image analysis ensures low latency and stable operation.
- **Easy Installation:** Quick integration into existing farm environments.
- **Compact Design:** Space-saving, suitable for all pigsties.
- **Scalable Architecture:** Supports multi-pen and multi-barn deployment.



AI PIG COUNTER SPECIFICATION

Feature / Specification	Manual Counting	RS485 Pig Counter
Prone to Errors	✓	✗ Auto Sensing, Accurate Count
Requires Teamwork	✓	✗ Single-Person Operation
Auto Recording	✗	✓ Real-Time Data, System-Integrable
Tiring Over Time	✓	✗ Stable Operation, Higher Efficiency
Environmental Integration	✗	✓ Integrates Temperature Sensing
AI Image Recognition	✗	✓ Pig counting & body size measurement
Data Connectivity	✗	✓ RS485 communication
Alarm & Alert Integration	✗	✓ Supports automated alerts
Hardware Specifications		
Item	Specification	
Display Board Size	315 × 220 × 50 mm	
Display Board Weight	3 kg	
Processing Unit Size	124 × 122 × 75 mm	
Processing Unit Weight	1.7 kg	
Communication Interface	RS485	
Installation Environment	Livestock barns / pig houses	