



# Seamless Fish Health Monitoring Maximums Welfare

Traditionally, it's hard to efficiently monitor the status of fish in real time. For example, major discrepancies often occur between records and actual weight development in the production cycle. Thus, fish farmers are unlikely to sell fish at the right price and order the right transport, causing erratic margins. Fortunately, Aetina collaborates with the partner who targets fish welfare monitoring solutions, helping fish farmers get unique insights into fish health to accurately predict welfare indicators. These solutions consist mainly of Aetina DeviceEdge AX720-X32 powered by NVIDIA Jetson AGX Xavier™ module, cameras, monitoring platforms, and several AI models such as fish growth tracking, fish wounds detection, and lice counting.

As the related images from underwater shooting need to be processed with low latency, AX720-X32 is perfect to execute edge computing with high performance. Above all, AX720-X32 is small enough to be installed in the confined space than other form factors such as PCIe graphic cards.

## 🔧 Benefits

- Tiny edge computing platforms to be installed in confined space
- Energy-efficient, while providing high performance
- Easy to integrate MIPI camera with BSP customization support

## 📊 Results

- Efficiently monitors fish health data in real time
- Enable to accurately predict the right selling price and transport for fish welfare
- Increase the overall fish farming profits

