

TiVA EDGE

SPECIFICATIONS

TiVA Edge is a standalone AI processing unit that brings automated fish counting and species detection to your existing camera system. It's the perfect solution if you've already invested in camera equipment but need to upgrade to an automated, data-driven system.

SOFTWARE	
Analysis	Real time
Obtained data	Timestamp, Species, direction, still image, video footage
Interface	Secure web interface
Frame rate	Up to 60 fps
Camera capacity	Supports up to 2 cameras per unit
Security	Encrypted remote access (secure tunnel)
Custom algorithms	Yes*
Species recognition	Yes, with AI*
Live stream	Available

* Optional feature if operating agreement has not been signed. Additional information upon request.

HARDWARE	
Voltage	230VAC
Power consumption	15 W
Local storage	1 TB
Solar-powered	Optional add-on
Power cable	Included

APPLICATION
Examples of suitable application: <ul style="list-style-type: none">- Counting windows- Fish detection and tracking- Juvenile & silver eel counting

TiVA EDGE

THE SMART UPGRADE FOR EXISTING CAMERA SYSTEMS



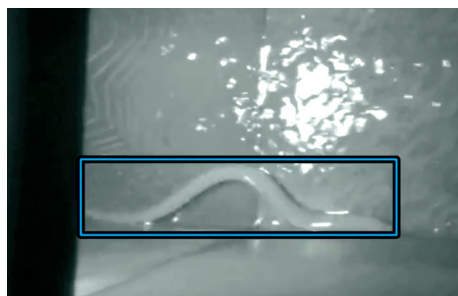
Apply our intelligence to your cameras

TiVA EDGE is a **standalone AI unit** that brings **automated fish counting and species detection to your current setup**. It's the perfect solution to upgrade your existing camera investment into a fully automated, data-driven system – without the need for new hardware.

Our proprietary AI connect **directly to your video stream, detecting and tracking fish instantly**. By minimizing manual video reviews and data entry, TiVA EDGE delivers real-time counts and direction straight to your dashboard, **saving you significant time and resources**.



USE CASE 1
AUTOMATED EEL COUNTING



DESIGNED FOR REMOTE ENVIRONMENTS

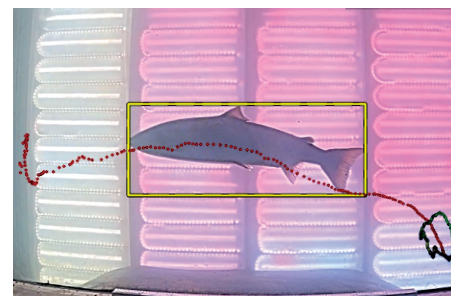
The system guarantees zero data loss even with poor cellular reception. All data is stored securely on the device and automatically synchronized with the cloud once a connection is available, ensuring a continuous, worry-free monitoring workflow.

HIGH-SPEED PRECISION

Capturing the rapid movement of eels in steep passages requires top performance. The TiVA EDGE processes video at 60 frames per second, ensuring every individual is detected and tracked with absolute accuracy.

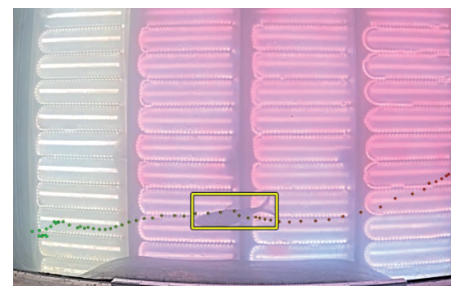
SMART DATA MANAGEMENT

The TiVA EDGE delivers deep insights without overloading your network or hardware. The system process advanced AI analysis on high-quality images on-site. Meanwhile it is saving storage-friendly video clips to optimize local data storage.



AUTOMATION WITH PRECISION

The TiVA EDGE automates fish counting and species detection, using AI to filter out false triggers and focus only on relevant events. This ensures that you receive high-quality data instead of scrolling through hours of empty video.



INSTANT CLOUD ACCESS

All migration data and species identifications are uploaded to our secure cloud platform in near real-time. This allows you to monitor fish passage directly from your device, providing an instant overview of migration patterns with various report tools.