

TEMBO Africa

Transformative Environmental Monitoring to Boost Observations in Africa

Camera-based discharge monitoring



Overview

TEMBO Africa offers real-time water level and discharge data in rivers and canals, using a camera taking videos at regular intervals.

For river up to 50 meters, a small camera system, the "PtBox" is available and can be paired with one of the following software:

1. DischargeKeeper Light, using the proprietary and patented SSIV software, with a Maintenance and Support from SEBA Hydrometrie.
 2. OpenRiverCam, a fully scalable open-source solution with a local Maintenance and Support contract with our local vendors.
- For wider rivers, a larger system, the DischargeKeeper is, is available from SEBA Hydrometrie.

Where?

Ghana - contact: TAHMO Ghana

Kenya - contact: TAHMO Kenya


Zambia - contact Local Devices Technologies
Zambia Ltd.

For whom?

Ideal for organizations seeking to provide flood early warnings, enhance situational awareness, and monitor dam inflows/outflows and irrigation schemes.


Monitoring made smarter and safer

 **Non-contact** discharge monitoring, avoiding dangerous and labour-intensive methods.

 **Real discharge** measurements rather than water level estimates, extremely useful for e.g. short-term flood forecasting.

 **Flexible installation** on riverbanks, suitable for various locations

 **Affordability** and **scalability**.

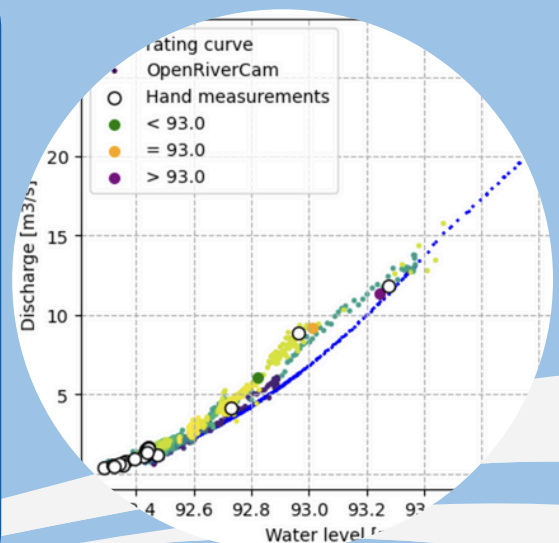
 **Low complexity** hardware, with easy to replace parts and little maintenance.

 **Easy installation** by a hired professional or the user.

 **No limitation on the water depth.**

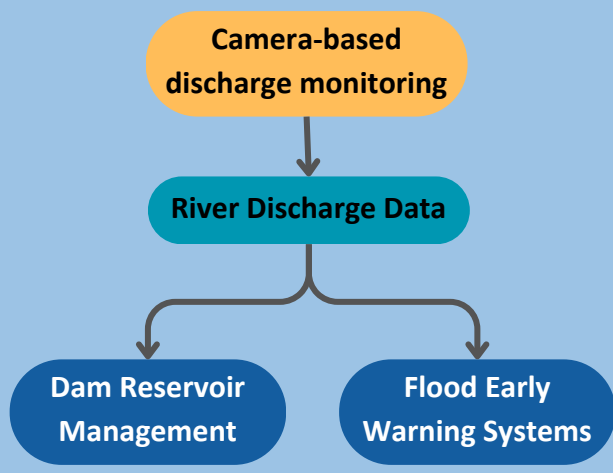
 **Multiple software hosting options:** international, local, or on-premise.

 **Web-based platform** and **API** for data retrieval and integration.



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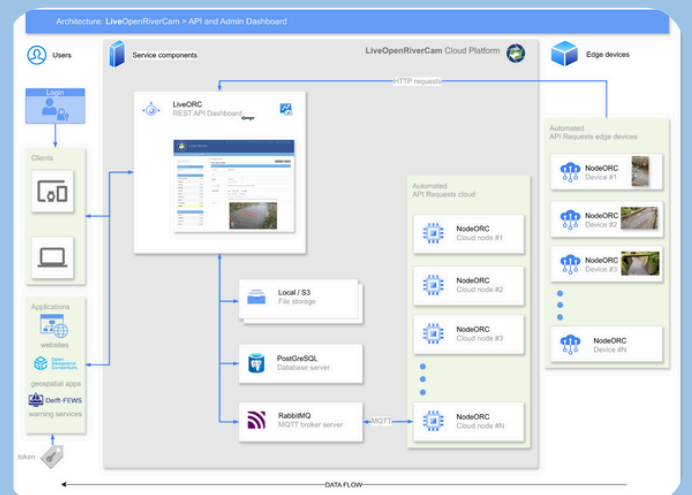
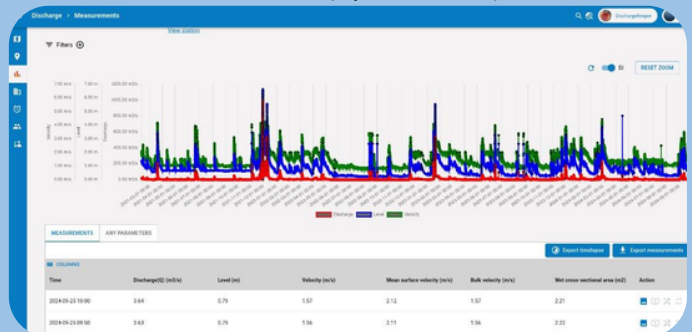
A **sensors** solution, that supports one of the TEMBO **products**, while can be leveraged by two **services** thanks to a “Lego®-ised” approach!



Your Sensor: PtBox, a Raspberry Pi-based system that records, processes and transmits videos, water level and discharge



Your Data: Time series views, downloads or scripted access through the Discharge App (proprietary) or LiveORC API (open-source).



How it works



Partners involved in Camera-based discharge monitoring



Contact us and learn more!

