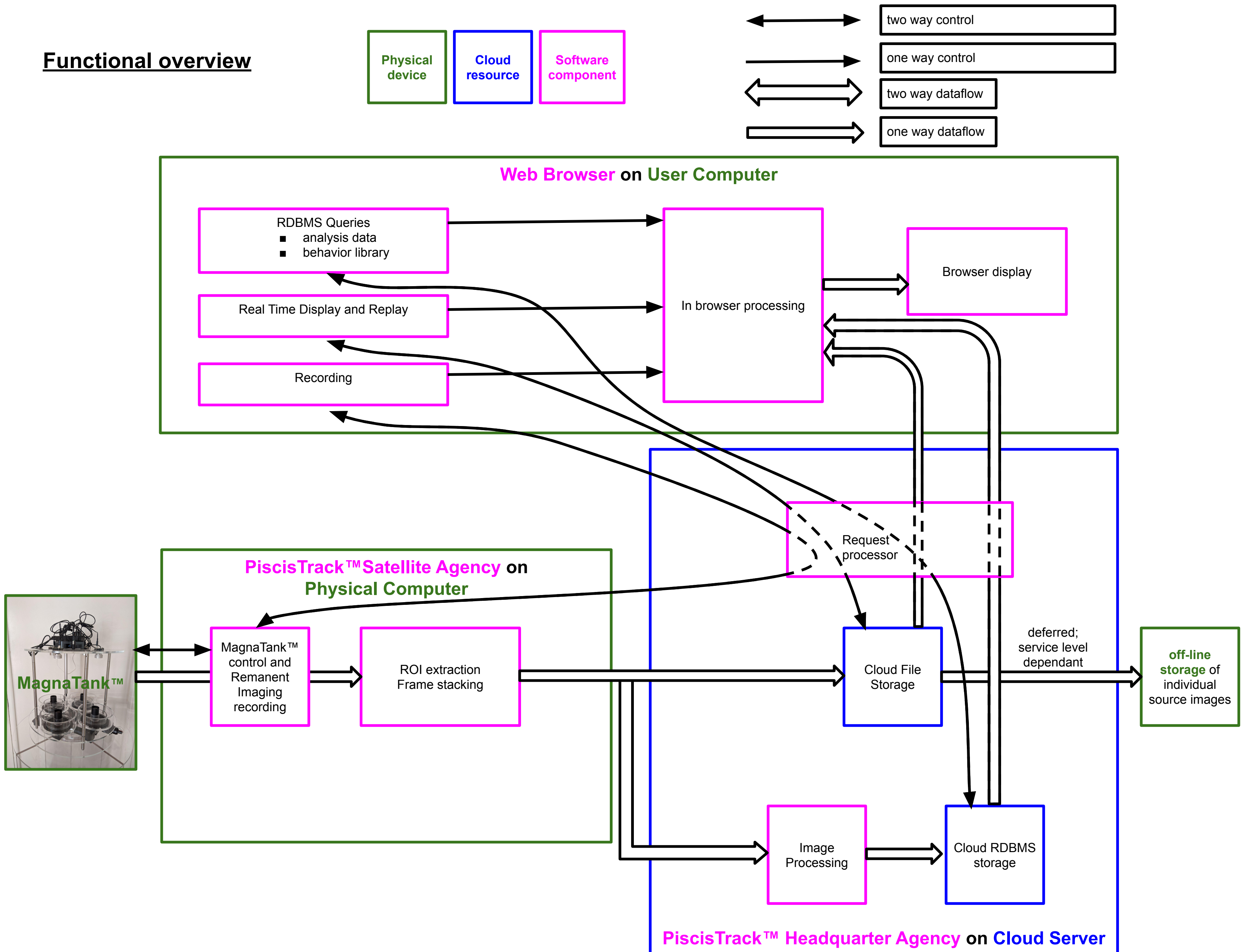


PiscisTrack™ Architecture

The PiscisTrack™ software architecture, illustrated below, is designed on the following foundational principles:

- Process data according to a dataflow model. As much as possible, recorded pixel values are processed as they are streamed from the camera rather than stored as images to be processed post-mortem after a recording is complete. This model provides support for uninterrupted, continuous recording.
- Store images as sequences of individual frames rather than as video files.
- Handle, store, and query analysis data along a relational database model.
- All user interface components run in web browsers for universal accessibility.
- PiscisTrack™ software agencies (details below) are launched as programs on physical or cloud based servers, or within a user browser by visiting a dedicated URL.

Functional overview



Agency / agent model overview

Agency's key functions:

- span (and pipeline) server or client agent(s)
- create and manage channels for data and control
- manage communication with other agency(ies)

