



## Video System: Short Status Report

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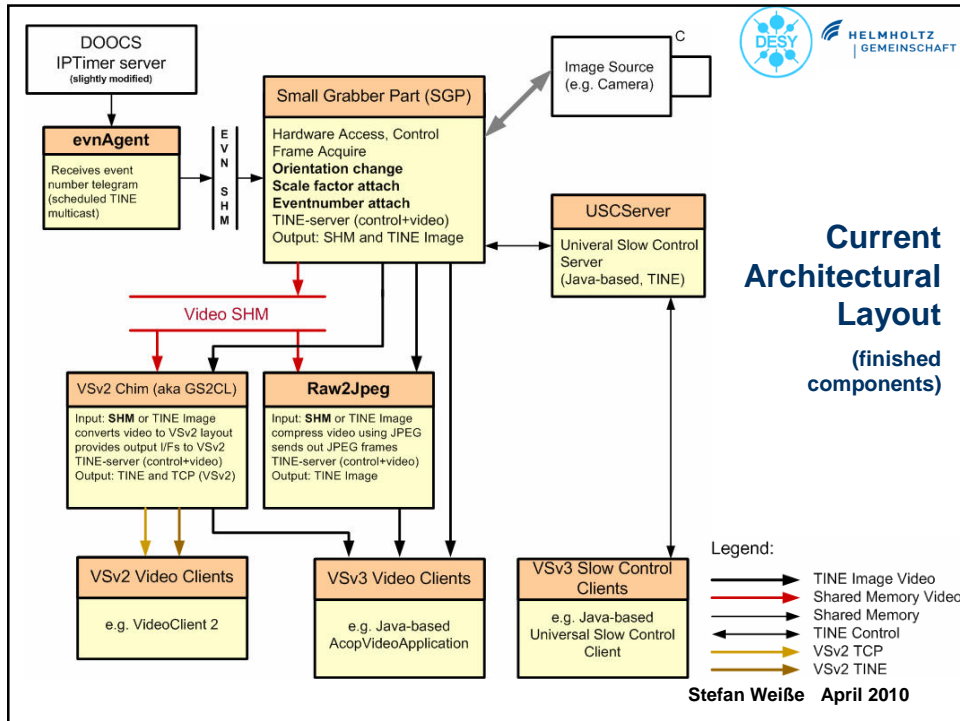
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### Recent Tasks

- Video System issues seen at Hamburg sites
  - problems seen brought down to academic level by change of installation layout and further constraints
  - still it would be good to look into what is really wrong sometimes (but matter of fact that some problems are very hard to reproduce makes debugging and fixing hard)
- Software development of VSv3
  - Extension of Small Grabber Part front-end
    - Orientation change
    - Scale factor (attach metadata to video frame)
  - implementation of shared memory for video image
  - **test** implementation of multicast-based event number attachment and distribution
  - Raw2Jpeg component finished\*
  - VSv2 Compatibility Layer finished\*

\* implementation of image source switching might require little changes

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What will happen in the next weeks

- work together with Cosylab colleagues on pushing video analysis a step forward
- implement switching of image source, global video system control and configuration repository
  - final layout not yet clear, but outline shows up step by step
  - implementation started and heavily ongoing
- release of a Matlab library to get a single video frame (VSv3 and VSv2)

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Perspective: after that a lot of topics are waiting...

- Event archive of video frames, readback video from event archive
- Rollout of new VSv3 components at PITZ, remove most of VSv2 stuff from PITZ
- Remove old VSv2 stuff from Hamburg, replace by VSv3 stuff
  
- Push components of VSv3 to next level based on user feedback
- Interfaces, libraries and API for accessing video system and video frames, PNG and PNG sequence
- Software documentation, user documentation

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This is the end (of this talk).

**Thank you for listening.**

**Questions?**

**Comments?**

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