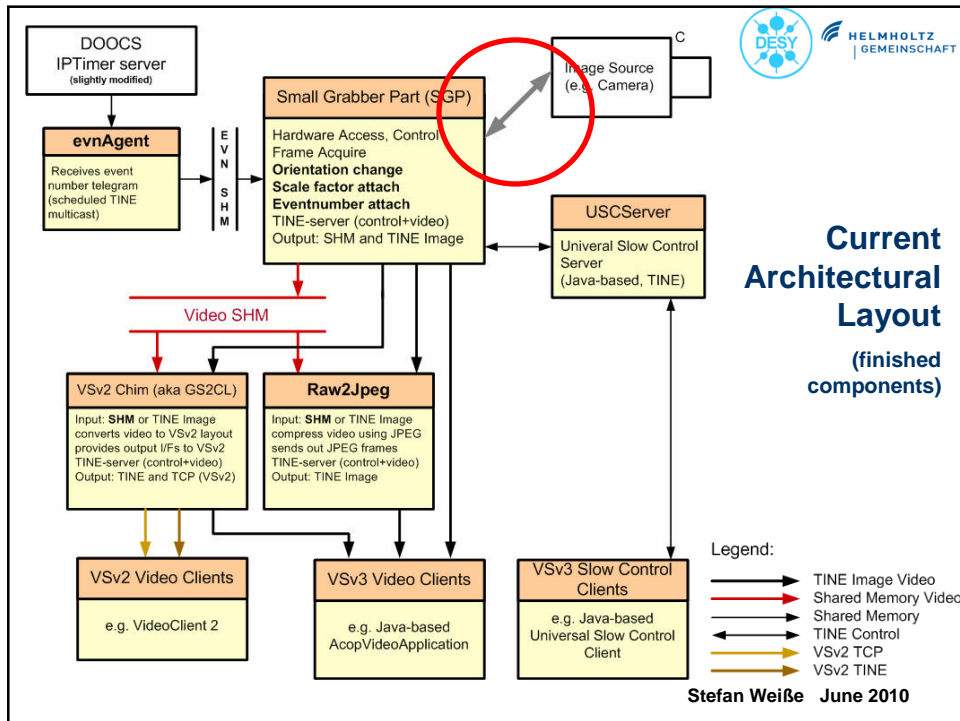


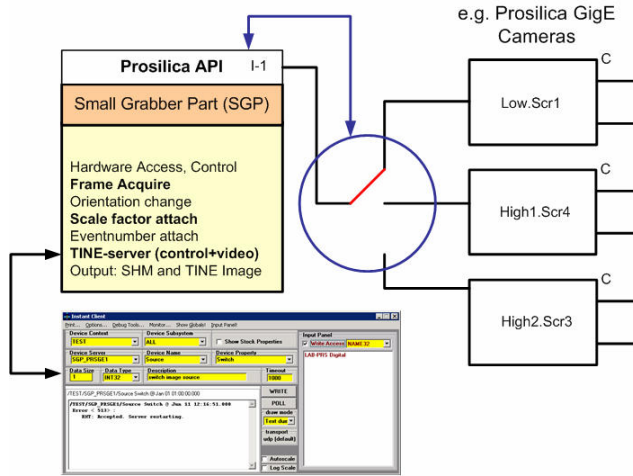
Video System: Short Status Report

1. Current Architectural Layout
2. Recent Tasks
3. What will happen in the next weeks
4. Perspective



Video System: Short Status Report

Recent Tasks: Input switching (in general)

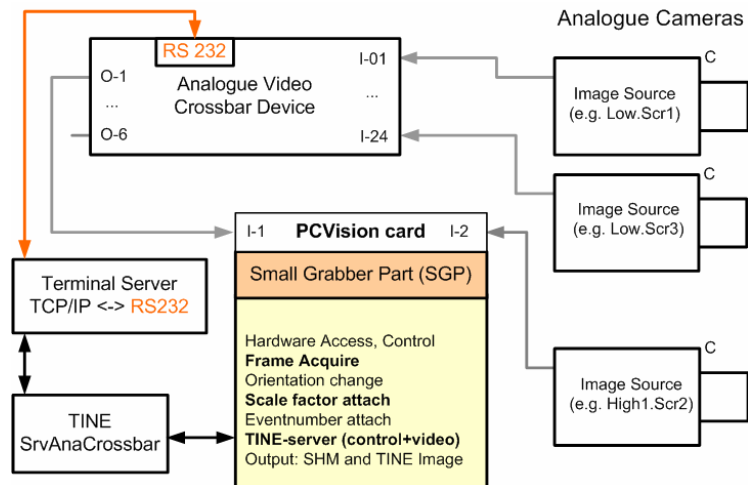


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Recent Tasks: Analogue input switching with crossbar



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Recent Tasks: System List (Syslist) XML-file

- optional XML file
 - 1 file per installation layout of an installation (1 file per facility)
 - contains all **components** (and their **relations** to each other)
 - Image sources
 - SGP
 - GS2CL
 - Raw2Jpeg
 - file is read in at components which allows switching of input (SGP, GS2CL, Raw2Jpeg)
- file is used at component to
 - create and provide a list of possible input sources
 - to reject input source possible but forbidden (e.g. design decision of maintainer)

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Recent Tasks (cont'd)

- Matlab library to get a single video frame (VSv3 and VSv2) **released**
- Switching of image source now available in each SGP
 - on intermediate components ("input change") available soon
 - Added state SGP is running, but no image source is connected currently
- Tine and Video: tests on Windows 7 (32 and 64 bit)
 - ControlsInstaller works basically
 - Runtime works
 - video software (old and new) working fine (I did not expect this!)
- consolidated xml configuration file layout
 - 'o' in front of each node which is **Optional**
 - terminology straightened
 - removal of ID number (not intuitive), replaced by speaking name

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Recent Tasks (cont'd)

Excerpt from SGP xml configuration file

```
<ServerSettings>
  <Name>SGP_PRS_FG1 (Prosilica)</Name>

  <oSharedMemoryOutput>Yes</oSharedMemoryOutput>

  <oQuitIfImageSourceInitFails>no</oQuitIfImageSourceInitFails>
</ServerSettings>
```

- consolidated xml configuration file layout
 - 'o' in front of each node which is **O**ptional
 - terminology straightened
 - removal of ID number (not intuitive), replaced by speaking name

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What will happen in the next weeks

- upgrade Prosilica server at Hasylab (foreseen next week)
- shift PITZ Video infrastructure from VSv2 to VSv3
- still on the list: event archive of video frames, readback video from event archive
- documentation (xml files, layout, ...)

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

- replace few VSv2 relicts from Hamburg installation 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, continue and finalize release of PNG and PNG sequence
- software documentation, user documentation
- work on knowledge and competence gain regarding video transfer stalls

Video System: Short Status Report

This is the end (of this talk).

Thank you for listening.

Questions?

Comments?