

Angel Introduction: Camera and Video Mixer

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C3VOC

Inhalt

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General Info

General Info I

- All talks get recorded and archived forever
- Consistent quality
- No postproduction of individual signals.
- Livestream content is the same as the one recorded and published
- Less mistakes ⇒ better recordings.

General Info II

- Introduction Meeting here
- Complete overview for all new angels
- Short diff for experienced ones
- Shift distribution every day 15:00 in Meitner.
- **Short** Feedback loop and review at those meetings
- Slides available online:

<https://streaming.selfnet.de/engelschulung.pdf>



Angeltypes

Angeltypes

- Camera Angels
- Video Mixer Angels
- A/V Technician
- Herald

Camera Angels

- Operate the fixed cameras in the lecture halls.
- Two camera angels per lecture hall
- Camera angels will communicate with the Video-Mixer-Angel via intercom,
- Get instructions to shoot in certain ways.
- Maintain good camera settings

Video Mixer Angels

- Switch the video feed between different sources.
- Mixed video feed is used for both the live-stream and the recordings
- You decide which picture, respectively source, is most interesting/important at each moment.
- Work proactively with camera angels through the intercom,

A/V Technician

- 2nd level support in the lecture rooms.
- is responsible for A/V Angels
- Familiar with the equipment that is used
- Able to fix (nearly) all the issues.

- Opens and closes the talk
- Basic stage management

Camera Hardware

Hardware Camera Controls JVC



Figure 1: JVC Cam

Cameras are in manual mode because of difficult lighting situation.

Left Ring/red Focus - control sharpness of the image.

Middle Ring/green Zoom - vary the focal length.

Right Ring/blue Iris - don't touch.

Zoom Control JVC



- For smooth zoom use the zoom buttons.
- Gentle touch ⇒ slow zoom
- Top Buttons fixed speed

Figure 2: JVC Cam

Display Indicators JVC



Figure 3: Panasonic Display Indicators

Rec Indicator The recording must always run, even during the break.

Focal Indicator Use only manual focus!

Alert

Alert the A/V-Technician if something's wrong.

Tripod



Figure 4: Tripod

- Should be level - check the water bubble.
- Variable brakes - can be adjusted to your needs.
- Tilt axis should be balanced, so that the camera doesn't tilt up or down on its own.
- Pan axis is needed all of the time. Set it so you can do smooth pans all over the stage.

Alert

Alert the A/V-Technician if something's wrong or misplaced.

SD-Card Recording

- Two SD-Cards in every Camera
- Backup Recording
- Turn on Recording before first shift in the morning -> Red Dot somewhere in the Display.
- Control Recording Time remaining.

Alert

Alert the A/V-Technician if something's wrong or not running.

Camera Positions and Angles

Camera 1 - Closeup Camera

Content

- The Speaker is your best friend
- Keep them always in frame
- Default for all composition modes

Framing

- The upper part of their body + head + a bit of headroom.
- Stay close to his/her eyeline on the upper third line.

Alerts

- Anticipate movement, stay alert
- Leave some room where they want to move next.

Camera 1 - Closeup Camera

Example Shots I



Figure 5: Good Closeup Shot

Camera 1 - Closeup Camera

Example Shots II

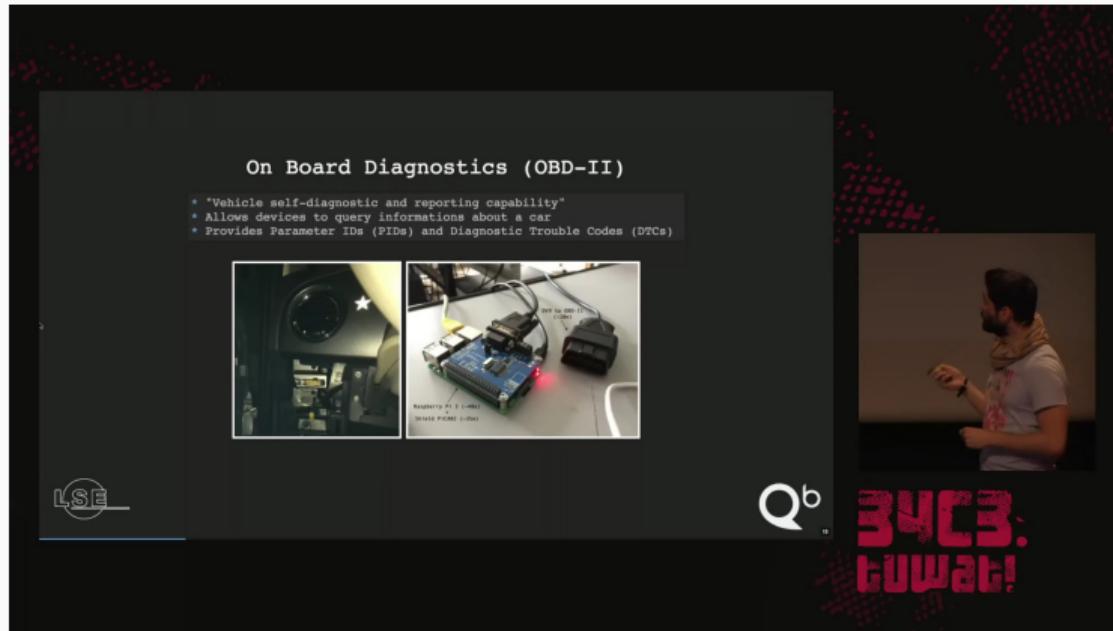


Figure 6: Good Closeup in Supersource

Camera 1 - Closeup Camera

Bad Shots I



Figure 7: Half a head - not good.

Camera 1 - Closeup Camera

Bad Shots II

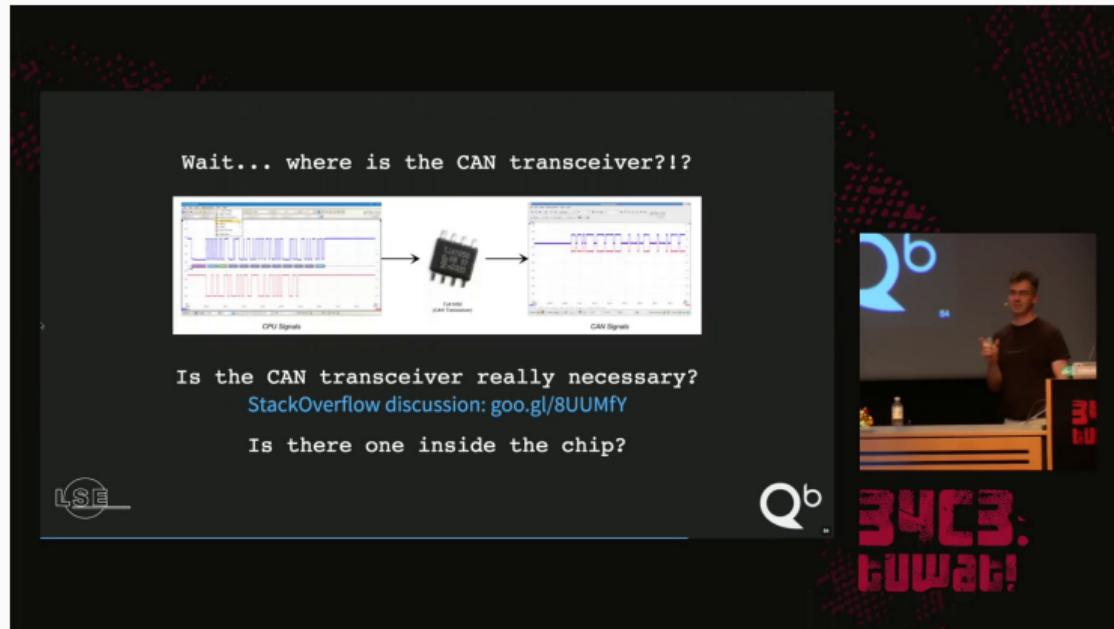


Figure 8: Too Far out for a good supersource image.

Camera 2 - Medium Camera

Content

- Context around the speaker
- If there are two or more speakers choose the other one

Framing

- Speaker from Head to Toes
- Stay close to his/her eyeline on the upper third line.

Alerts

- Anticipate movement.
- Leave some room where they want to move next.
- Fallback Camera if the Closeup Camera can't keep up.

Camera 2 - Medium Camera

Good Shots I



Figure 9: Good Context image.

Camera 2 - Medium Camera

Good Shots II



Figure 10: Two Speakers.

Camera 3 - Wide Shot

Framing

- Covers the whole stage.
- A bit of small audience for context.
- Statically set.

Alerts

- Needs no attention.
- Fallback Camera if all else fails
- Beautifully captures standing ovations

Camera 3 - Wide Shot



Video Mixer Tools

Voctomix

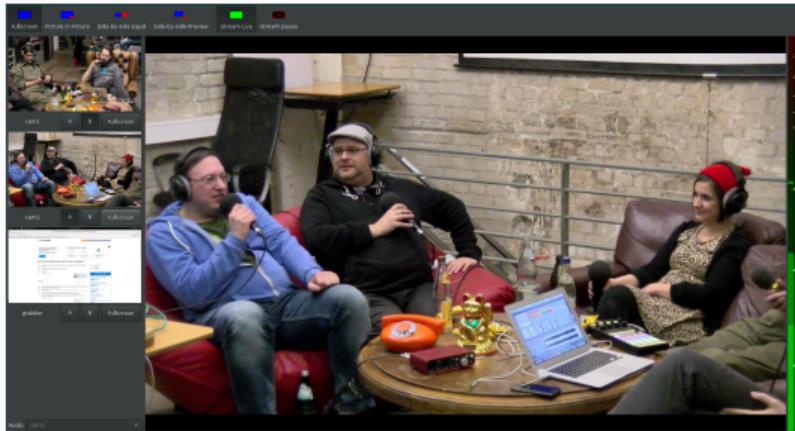


Figure 11: Voctogui

Previews Small images on the left

Program Large, middle, what everyone
on the internet sees.

Composition Top row.

Blue Select A

Red Select B

Stream Blank For breaks when nothing
should be streamed.

Software Video Mixer - Voctogui

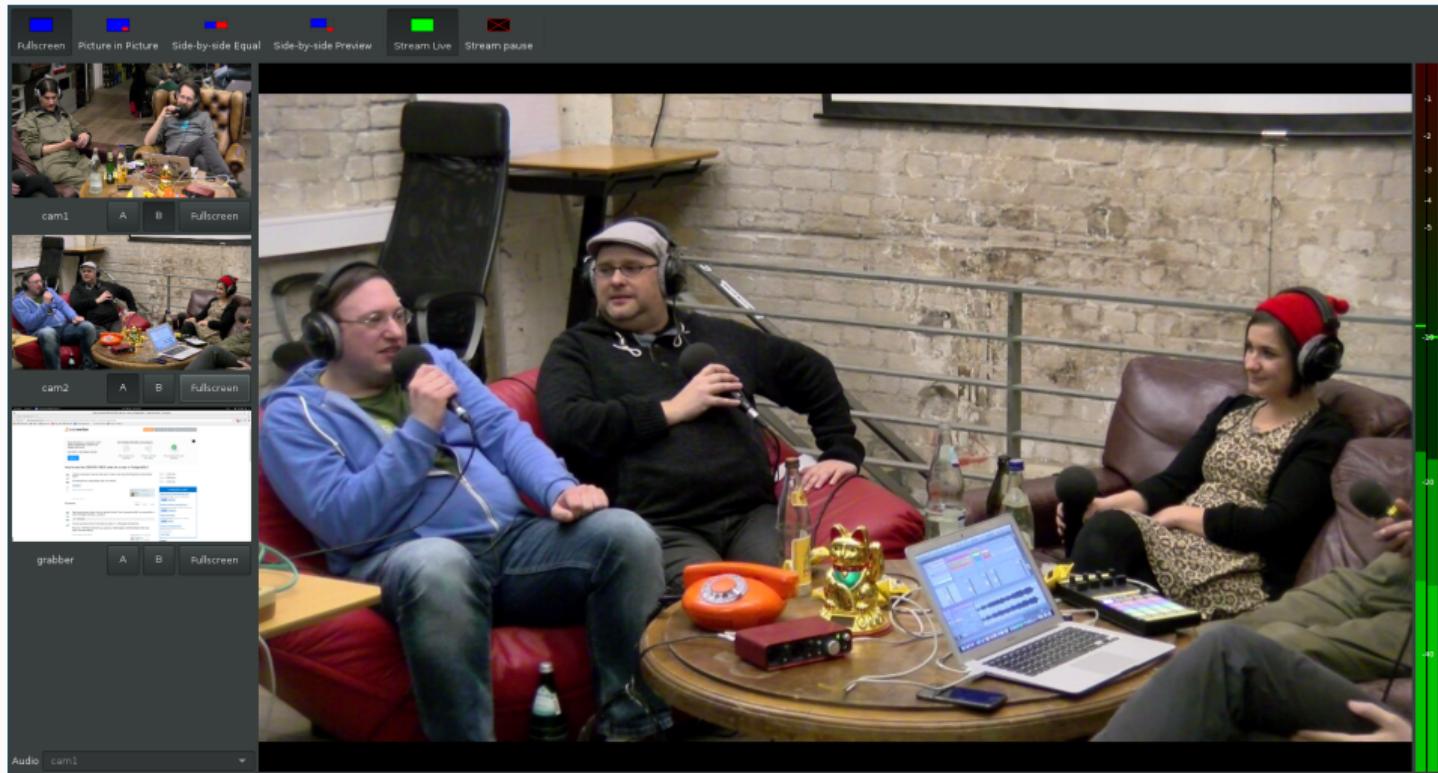


Figure 12: Voctogui

Video Mixing Guidelines

Mixing Guidelines - Hard Rules

- All you are doing is **recorded** and will be published. **Don't make mistakes.**
- The Audience is **not to be filmed**. Cut away if faces of people not on the stage appear.
- **Slides are important**
- Slides stay on till the text has been read **twice**.
- Show new slides **immediately**.

Hint

Fast-paced presentations with lots of slides are easier to handle with the supersource.

Mixing Guidelines - Softer Hints

- Start early – opening announcements of the Herald are a good start. Their introduction has to be in the recording and on stream.
- Open wide – Structure the beginning of a talk with shots that set the stage
- The slides in fullscreen – you're dealing with a very small screen. Text has to be readable
- Show gestures – medium-close-up that follows the speakers eye-line
- Don't be too cutty – Pace your videos temperately. Do not cut too often.
- Don't end too early – All questions and answers have to be recorded. The herald ends the talk, not the mixer angel.

Hints

Leave lots of room at the start and end of a talk. Cut away from the infobeamer before the Herald starts with announcements. Cut to the infobeamer only after the last applause has finished.

Timeline of a typical talk

1. Preparations beforehand
2. Announcements and Introduction
3. Content
4. Questions and Answers
5. Ending

Contacts

Who to Contact?

- Technical problem **in the hall** - A/V Technician on duty
- General Questions regarding VOC - VOC Helpdesk **1600**
- Angels and organization - rico **3636**
- Technical problems - sophie **7425**
- General Angel Topics - Heaven **1023**
- Unable to find right person for issue - VOC Helpdesk **1600**
- **We might need to call you. Please have your DECT (or UMTS) number in the Engelsystem! If you don't have a number yet, go to eventphone.de and get one.**

Questions?

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