

# Angel Introduction: Camera and Video Mixer

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C3VOC@GPN21

# ToC

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## General Info

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## General Info I

- All talks get recorded and archived forever
- We aim for consistent quality, but we'll make mistakes
- Don't blame yourself for mistakes, because we don't blame ourselves either - even if all experts of the internet will complain and think they know how to do it better. We did not see those experts on-site - did you?
- Livestream content is the same as the one recorded and published

## General Info II

- Introduction Meeting here
- Complete overview for all new angels
- Short diff for experienced ones
- Slides available online: <https://github.com/voc/engelschulung>



## Angeltypes

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# Angeltypes

- A/V Angels with two different roles
- C3VOC Crew

## A/V Angel: Role Camera

- Operate the fixed cameras in the lecture halls.
- One camera angel per lecture hall
- Maintain good camera settings.

## A/V Angel: Role Video Mixer

- 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.

## C3VOC Crew

- 2nd to n-th level support in the lecture halls.
- Responsible that stuff works.
- Familiar with the equipment that is used.
- Able to fix (nearly) all the issues.
- Reachable via Phone

## **Communication Tools**

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# Telephone



**Figure 1:** Telephone on Mixer Desk

- If there are any issues, contact us via Telephone. Just press the VOC Button (red arrow)
- Call us via DECT 1600 and state the lecture hall you are in.

## Camera Hardware

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# Hardware Camera Controls Panasonic



**Figure 2:** Panasonic 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 - will have to be adjusted throughout the day. If there is anything wrong, contact C3VOC helpdesk.

# Zoom Control Panasonic



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

**Figure 3:** Panasonic Cam

# Display Indicators Panasonic

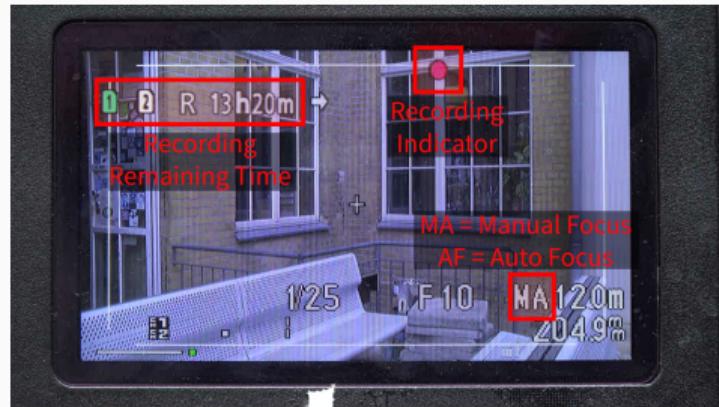


Figure 4: Panasonic Display Indicators

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

**Focal Indicator** Use only manual focus!

**Remaining Time** It must have enough remaining time before talk.

## Alert

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

# Tripod



**Figure 5:** 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**

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# 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

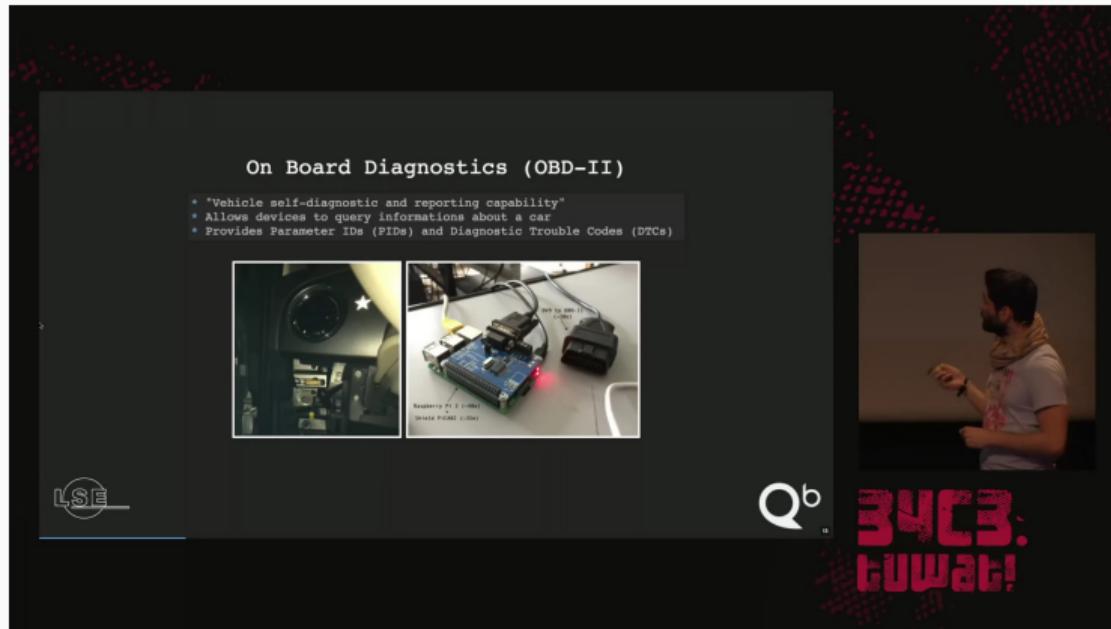
### Example Shots I



**Figure 6:** Good Closeup Shot

# Camera 1 - Closeup Camera

## Example Shots II



**Figure 7:** Good Closeup in Supersource

## Camera 1 - Closeup Camera

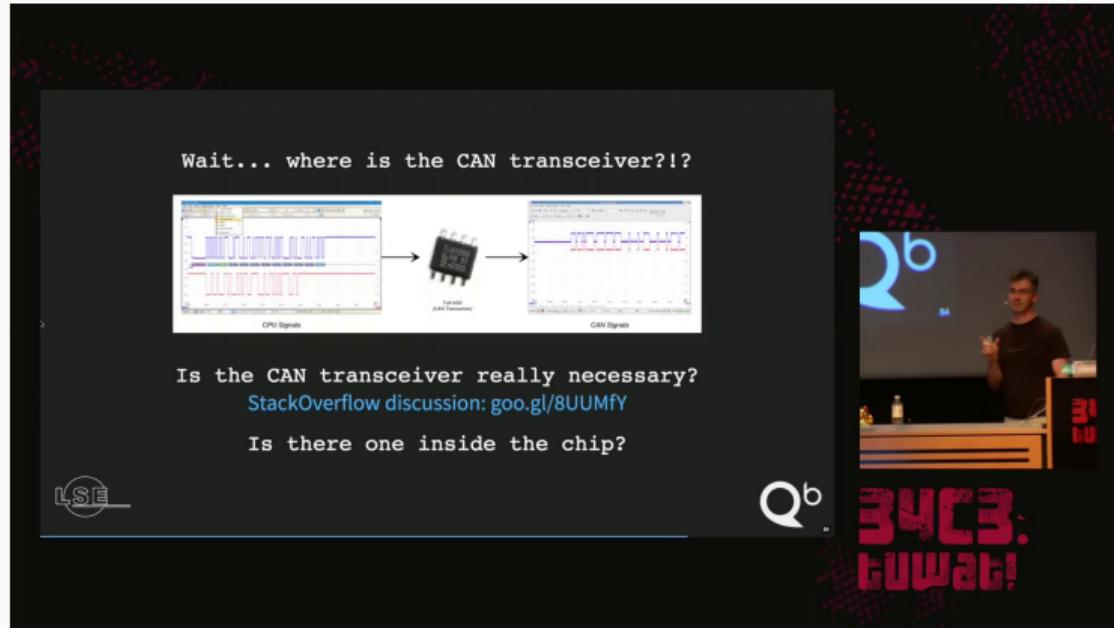
Bad Shots I



**Figure 8:** Half a head - not good.

# Camera 1 - Closeup Camera

## Bad Shots II



**Figure 9:** Too Far out for a good supersource image.

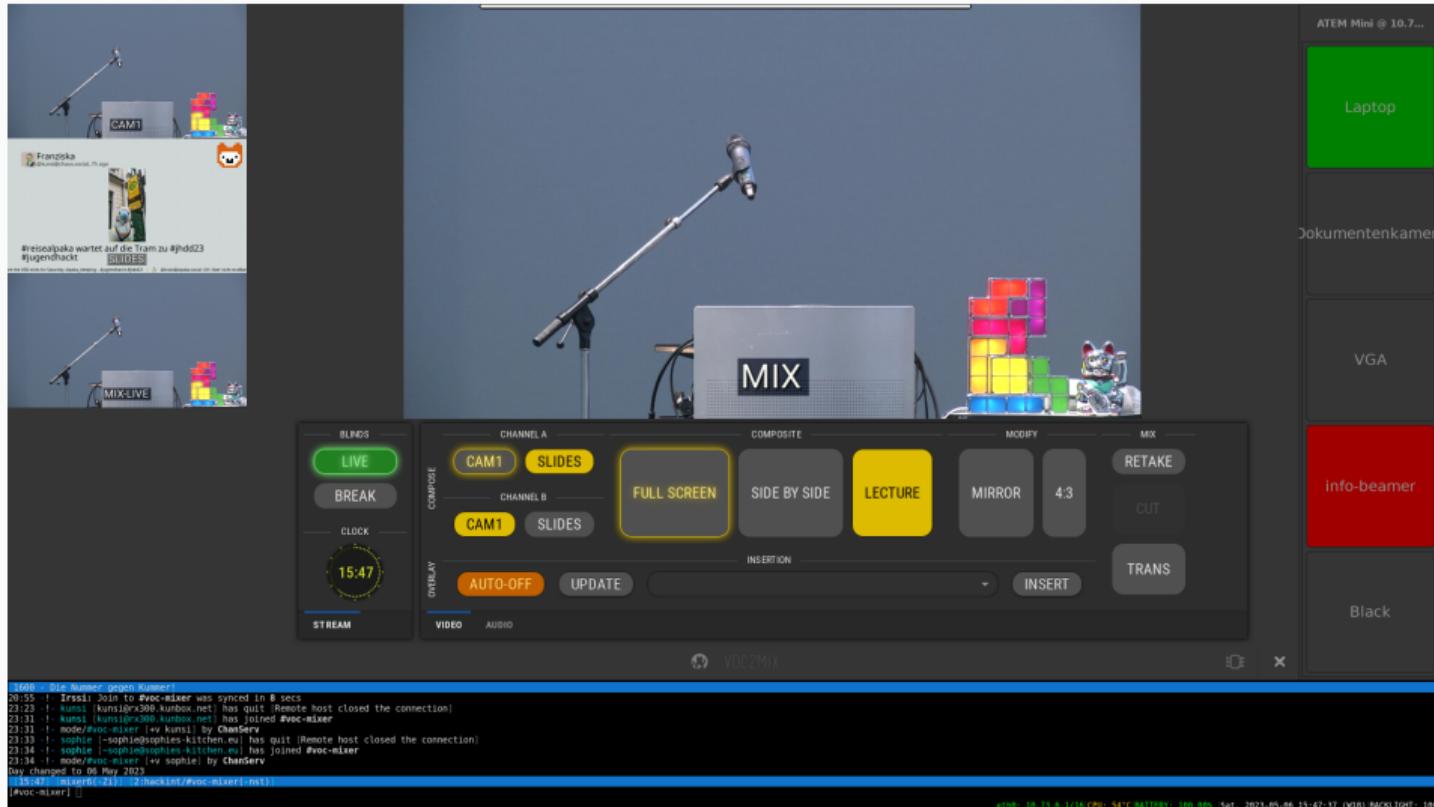
## Camera 2 - Wide Shot



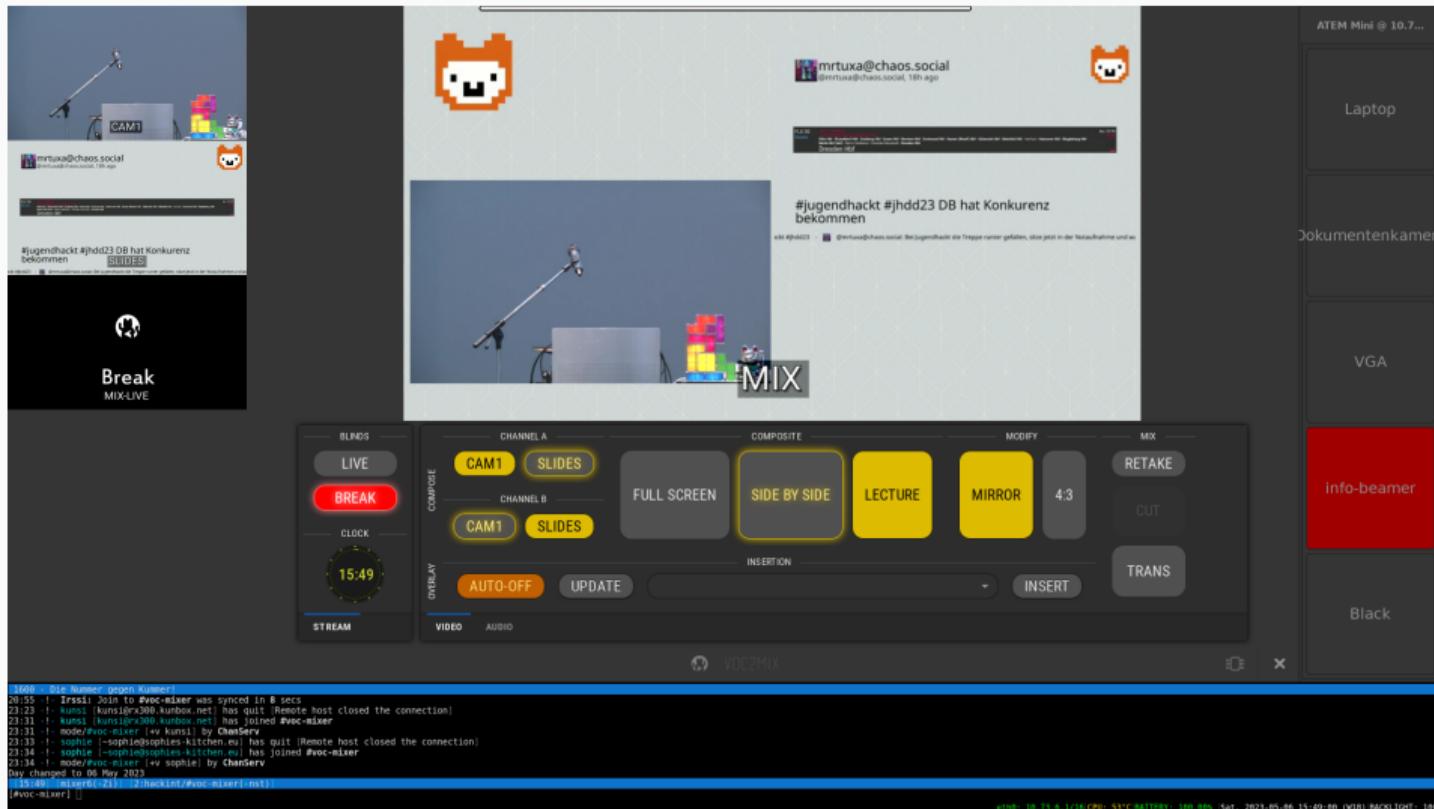
## Video Mixer Tools

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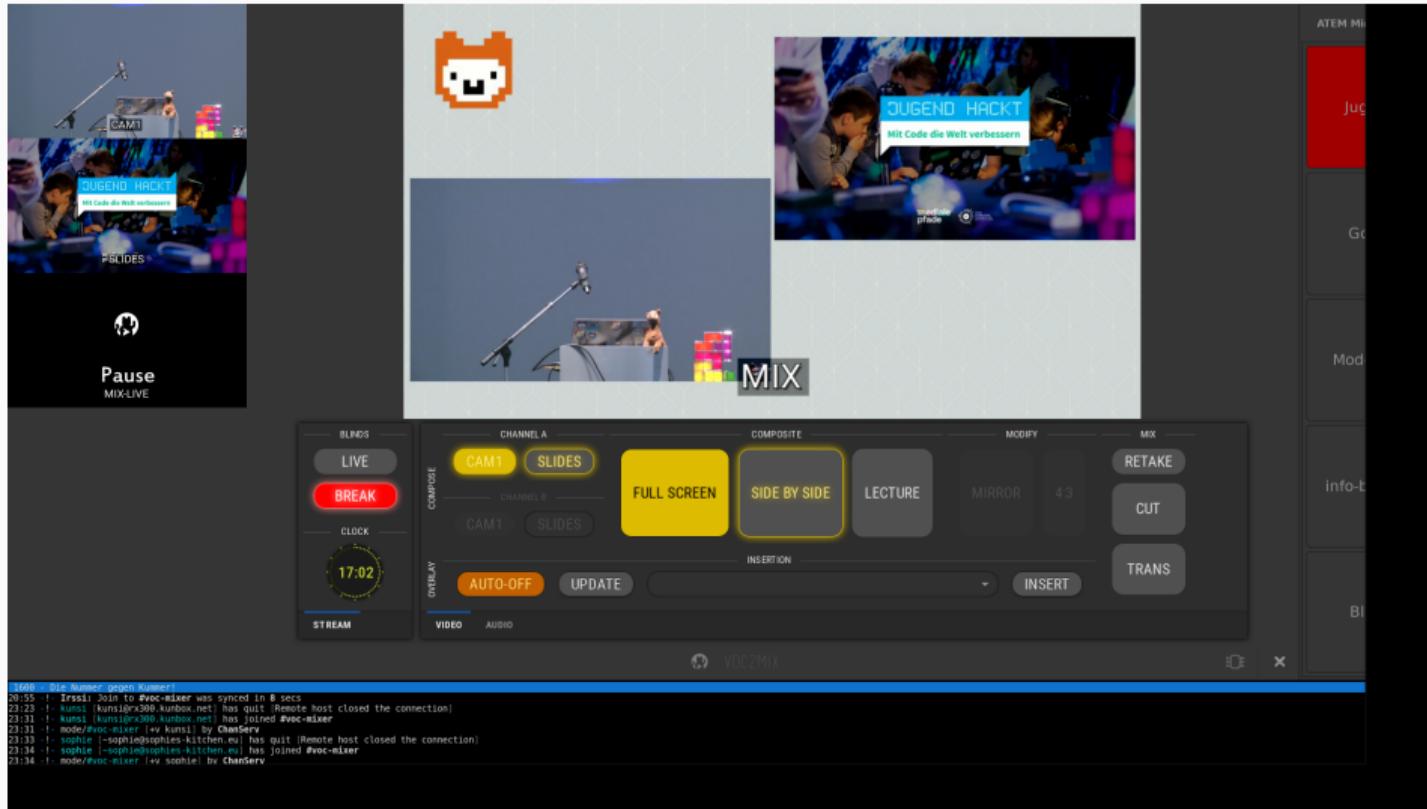
# Software Video Mixer - Voctomix2



# Software Video Mixer - Voctomix2



# Software Video Mixer - Voctomix2



## Video Mixing Guidelines

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## 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**.

## 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 - Preparations beforehand

### Cameras

- Get to know your fellow angels.
- Test your camera and settings.
- Look on Stage who will be herald or speaker.
- Camera: Get a closeup of the speaker.

### Mixer

- Check Slides and adjust supersource to 16:9 or 4:3.
- Have Camera 2 on Preview.

# Timeline - Announcements and Introduction

## Cameras

- Camera 1: Get a closeup of the speaker.

## Mixer

1. Go live with Camera 2 as soon as the Herald starts.
2. Title slide can be shown during the introduction
3. Put Camera 1 on Preview.
4. Camera 1 live as soon as the Speaker starts talking

## Timeline - Content

### Cameras

- Follow commands from the Mixer
- Ask for time off if you have to readjust zoom, focus or anything else that should not be in the recording.

### Mixer

- Show new slides as soon as they are keyed by the Speaker
- Show Camera 2 when the Speaker starts walking and gesturing
- Call out your actions and intentions via intercom
- Plan ahead. Which picture should be shown in 30 seconds?
- Keep your available pictures diverse. Both cameras on medium closeup don't make sense.

## Timeline - Questions and Answers

### Cameras

- Camera: Track the Speaker
- Keep tracking, don't give up even if your shift ends soon.

### Mixer

- Show whoever is talking on stage to the stream.
- The "Thanks"-Slide can be shown from time to time.
- Don't end too early.

## Contacts

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## Who to Contact?

- Generic Questions? Something is wrong in lecture hall? C3VOC Helpdesk **DECT 1600**
- Do you want to talk to us? Come to the C3VOC Office - right in front of the Bar Follow the Winkekatzen