

# A/V Angel Self-Training: Camera

---

August 10, 2025

C3VOC



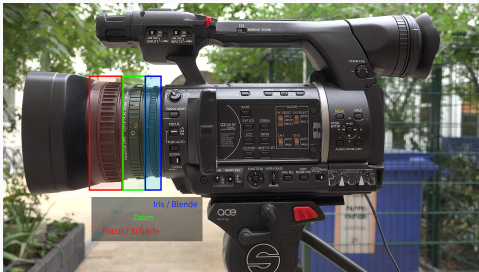
<https://github.com/voc/engelschulung>

- We will stream, record and publish nearly all talks with your help
- You can operate the cameras and video mixer
- At do-not-record talks we also need angels
- We (people from c3voc) will be there to help
- The live stream video signal will also be the final recording
- We aim for consistent quality, but everybody make mistakes – don't blame yourself!

# Camera Hardware

---

# Hardware Camera Controls Panasonic



**Figure 1:** 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.

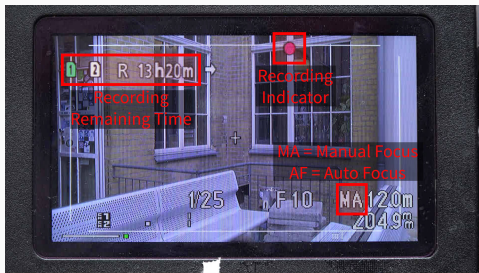
# Zoom Control Panasonic



- For smooth zoom use the zoom buttons.
- Gentle touch  $\Rightarrow$  slow zoom
- Top Buttons fixed speed

Figure 2: Panasonic Cam

# Display Indicators Panasonic



**Figure 3:** 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.

# Hardware Camera Controls Sony PXW-Z200



**Figure 4:** Sony 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.

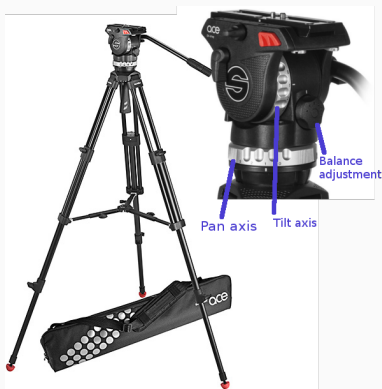
## Zoom Control Sony



- For smooth zoom use the zoom buttons.
- Gentle touch  $\Rightarrow$  slow zoom



# Tripod



**Figure 6:** 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.

## Next Steps

---

# Hands-On Training

- Please do hands-on training!
  - The only way to get proficient with the tripod is to feel it
  - Feel free to try things in a break between talks
- VOC A/V-Techs are there to help you