

# Video conference Virtual background

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## Keywords

BigBlueButton Jitsi GoToMeeting Zoom

## Solution (public)

### Overview

In video conferences, you can replace the background of your camera video. With services like BigBlueButton and GoToMeeting that don't offer such a feature out of the box, you can use virtual backgrounds with the help of external software.

### Templates

Members of the TU Dresden can find suitable templates in the corporate design in the university's corporate design on the internal [1]website "Templates for digital communication tools" under the item "Backgrounds for video conferencing tools".

### Video conferencing services with virtual background

- Jitsi
- Zoom (Desktop client)
- [2]Zoom article for setting up a virtual background
- [3]Zoom article about the system requirements

### Virtual background with external tools

Virtual cameras are suitable for disguising and defining the background. These programs take the image of a physical webcam, process it and can output it as a new virtual device. This device is then selectable as a webcam in BigBlueButton, for example.

Please note: To distinguish between person and background, most programs rely on artificial intelligence. This means theoretically also a high computational effort on your computer. You can then use this to blur the background or have it replaced by an image.

### Tools

#### Windows 10

-

XSplit VCam free version (shows watermark)

-

Chromacam free version (weak blur, limitation to low number of frames per second, watermarks)

-

NVIDIA Broadcast (required NVIDIA RTX graphics card)

Mac (untested)

-

Chromacam

-

ManyCam

[1] <https://tu-dresden.de/intern/services-und-hilfe/kommunizieren-und-publizieren/cd/vorlagen/digitales/digitales#section-3>

[2] <https://support.zoom.us/hc/en-us/articles/210707503-Virtual-Background>

[3] <https://support.zoom.us/hc/en-us/articles/360043484511-System-requirements-for-Virtual-Background>