

# vitero inspire system requirements

## SaaS V2.0

### Access to the virtual team room via browser

#### OPERATING SYSTEM

	minimum requirement	recommended
<b>Windows*</b>	Windows 10 (64-Bit)	—
<b>Linux</b>	Ubuntu 16.04	—
<b>macOS</b>	Sierra 10.12	Catalina 10.15
<b>iPadOS*</b>	Version 12.4	Version 13
<b>iOS*</b>	Version 12.4	Version 13
<b>Android*</b>	Oreo 8.1.0	Pie 9.0

#### \* Operating system dependent differences

**Audio:** For technical reasons, the moderator cannot operate the microphone level as well as the volume of the microphone level under [Android], [iPadOS] and [iOS] by remote control.

**Login:** When using an [iOS]- or [iPadOS]-end-device, the **virtual team room** can only be accessed via the end-devices own operating system safari browser.

**Screen Sharing:** On [iOS] devices, Screen Sharing can currently not be displayed as this function is not supported on iPhones. For [Android] & [iPadOS] devices, Screen Sharing can only be used for “watching” and not for “showing”, because of technical reasons. For technical reasons, the **vitero** application file under [Windows] is required in order to hand over the remote-control right. In order to receive the remote-control right, the above-mentioned operating systems are alternatively required under Windows, macOS or Linux.

**Session Recorder:** The **vitero** session recorder can only be used under [Windows] via a Windows application file. Also, a recording computer can be remotely controlled via the virtual team room (all listed operating systems and browsers). **Webcam:** On [iOS] devices, the webcam function can currently not be displayed as this function is not supported on iPhones.

**i General Note**

We continuously adapt our software to the latest browser versions. This may mean that older browser versions can no longer be supported. If there are temporary problems with the current browser versions, we work on a solutions as soon as possible in order to restore full compatibility with the current browser versions.

**BROWSER**

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	minimum requirement	recommended
<b>Chrome</b>	Version 80.0 (and higher)	—
<b>Edge</b>	Version 80.0 (and higher)	—
<b>Firefox*</b>	Version 73.0 (and higher)	—
<b>Safari</b>	Version 13.0 (and higher)	—

**\* Browser dependent differences**

**Audio:** For technical reasons, the moderator cannot operate the microphone level under [Firefox] by remote control.

**RAM**

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	minimum requirement	recommended
<b>Windows/ macOS/ Linux</b>	2 Gigabyte RAM	4 Gigabyte RAM
<b>Android/ iPadOS/ iOS</b>	1 Gigabyte RAM	3 Gigabyte RAM

## PROCESSOR

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	minimum requirement	recommended
<b>Windows</b>	Intel Core i3-4000M, 2.40 GHz	Intel Core i5-7400, 3.00 GHz
<b>macOS</b>	Intel Core i5, 3.1 GHz	Quad-Core Intel Core i5, 3.0 GHz
<b>Linux</b>	Intel Core i3-4000M, 2.40 GHz	Intel Core i5-7400, 3.00 GHz
<b>Android</b>	Quad-Core, 1.9 GHz	Octa-Core, 2,7 GHz
<b>iPadOS/iOS</b>	A8X Chip	A10 Fusion Chip

## RESOLUTION

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	minimum requirement	recommended
<b>Windows/ macOS/ Linux</b>	800 x 600 pixel	1280 x 720 pixel (HD-Ready)
<b>Android/ iPadOS/ iOS</b>	480 x 320 pixel	1024 x 768 pixel

## FURTHER HARDWARE

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	minimum requirement	recommended
<b>Windows/ macOS/ Linux</b>	sound card or telephone*	sound card or headset
<b>Android/ iPadOS/ iOS</b>	—	headphones

### \* Hardware dependent differences

**Audio-Player:** Participants who are dialled in via telephone cannot hear audio files.

**Session Recorder:** The recording computer needs to be connected via **vitero** integrated VoIP (not via telephone), so that the audio can also be recorded.

## Access to the virtual team room via client

### OPERATING SYSTEM

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	minimum requirement	recommended
<b>Windows</b>	Windows 10 (64-Bit)	—

### BROWSER

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	minimum requirement	recommended
<b>Chrome</b>	Version 79.0	Version 80 (or higher)
<b>Firefox</b>	Version 69.0	Version 73 (or higher)
<b>Safari</b>	Version 11.1	Version 13 (or higher)
<b>IE</b>	Version 10	Version 11 (or higher)
<b>Edge</b>	Version 79	Version 80 (or higher)

#### **General Note**

**vitero direct link:** A one-time installation is necessary for execution via link – no administrator rights needed. After confirmation of the security dialog an application file will be downloaded and started in the background.

**vitero application file:** Alternatively, a **vitero** application can be downloaded and started via browser download. No installation and no entry-registries will be done.

**Proxy-server:** possible proxy-server-restrictions must be noted.

## RAM

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	minimum requirement	recommended
<b>Windows</b>	2 Gigabyte RAM	4 Gigabyte RAM

## PROCESSOR

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	minimum requirement	recommended
<b>Windows</b>	Intel Core i3-4000M, 2.40 GHz	Intel Core i5-7400, 3.00 GHz

## RESOLUTION

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	minimum requirement	recommended
<b>Windows</b>	800 x 600 pixel	1920 x 1080 pixel (Full HD)

## FURTHER HARDWARE

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	minimum requirement	recommended
<b>Windows</b>	sound card or telephone	sound card or headset

## Access to the Vitero Management System

### BROWSER

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	minimum requirement	recommended
<b>Chrome</b>	Version 79.0	Version 80 (or higher)
<b>Firefox</b>	Version 69.0	Version 73 (or higher)
<b>Safari</b>	Version 11.1	Version 13 (or higher)
<b>IE</b>	Version 10	Version 11 (or higher)
<b>Edge</b>	Version 79	Version 80 (or higher)

## Further requirements

### INTERNET

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	minimum requirement	recommended
<b>Bandwidth</b>	4 Mbit/s for download and upload	16 Mbit/s for download and upload
<b>Connection</b>	WLAN (PC) 3G (mobile device)	LAN (PC) WLAN (mobile device)

## Addresses, ports and encryption

The connection to the **vitero** server is established with the following addresses. To use the **virtual team room**, these addresses incl. ports must be accessible from your computer:

- **vms.vitero.de**  
via port 443, https, 128 Bit SSL-encryption
- **inspire.vitero.de**  
via port 443, https, 128 Bit SSL-encryption
  
- **webrtc1.vitero.de**  
port range 0-65535 UDP
- **webrtc2.vitero.de**  
port range 0-65535 UDP
- **webrtc3.vitero.de**  
port range 0-65535 UDP
- **webrtc4.vitero.de**  
port range 0-65535 UDP
- **webrtc5.vitero.de**  
port range 0-65535 UDP
- **webrtc6.vitero.de**  
port range 0-65535 UDP
- **webrtc7.vitero.de**  
port range 0-65535 UDP
- **webrtc8.vitero.de**  
port range 0-65535 UDP
- **webrtc9.vitero.de**  
port range 0-65535 UDP

If the WebRTC servers cannot be reached via UDP, a TCP connection can alternatively be established via the following TURN servers. Please note that the connection quality (as with a UDP connection) cannot be guaranteed:

- **turn1.vitero.de**  
via port 80  
via port 443, https, 128 Bit SSL-encryption
- **turn2.vitero.de**  
via port 80  
via port 443, https, 128 Bit SSL-encryption
- **turn3.vitero.de**  
via port 80  
via port 443, https, 128 Bit SSL-encryption
- **turn4.vitero.de**  
via port 80  
via port 443, https, 128 Bit SSL-encryption