

vitero essentials system requirements client – SaaS V9.x

Windows PC

- Minimum Intel Pentium 4 2,8 GHz or equivalent
(recommended: Intel Core 2 Duo or equivalent)
- Minimum 512 MB RAM (recommended: 2 GB RAM)
- Graphics card with at least 16-bit colour depth
(recommended: 1280 x 1024 pixels and 32-bit colour depth)
- Sound card and headset for **vitero** VoIP¹
(If **vitero essentials+** is licensed, dial-up by tone dialling telephone is available alternatively.)
- USB 2.0 Webcam (required for live streams and **vitero webcam recorder** only)
- Operating system: Windows 8 & Windows 10 (32-Bit/ 64-Bit)
- For the execution via a link (**vitero direct link**, available for the browsers Internet Explorer, Microsoft Edge, Firefox, Opera and Chrome) a one-time installation is required, where no administration rights are necessary. Alternatively, the **vitero** application can be also downloaded and started via the browser download.
- For recordings via the **vitero session recorder**, local administrator rights are required during the initial setup. Team leaders, administrators and organizers are authorized for recordings. In order to save the recording, there must be available a 64-Bit Windows PC and free hard disc space of at least 150 MB.

¹ Obligatory for sound recording and playback with **vitero webcam recorder**, **vitero** Video Player and **vitero session recorder**.

Apple Mac²

- Minimum Intel Core 2 Duo
(recommended: Intel Core i3)
- Minimum 1 GB RAM (recommended: 2 GB RAM)
- Graphics card with at least 16-bit colour depth
(recommended: 1280 x 1024 pixels and 32-bit colour depth)
- Sound card and headset for **vitero** VoIP³
(If **vitero essentials+** is licensed, dial-up by tone dialling telephone is available alternatively.)
- USB 2.0 Webcam (required for live streams and **vitero webcam recorder** only)⁴
- Operating system: mac OS X up to version 10.14 Mojave (32-Bit). An access with the version 10.15 Catalina or higher is not possible.
- For the execution via a link (**vitero direct link**, available for the browsers Safari, Firefox, Opera and Chrome) a one-time installation is required, where no administration rights are necessary. Alternatively, the **vitero** application can be also downloaded and started via the browser download.

Mobile devices / browser access⁵

The **vitero** browser version is available for mobile devices, Apple Mac- Windows- and Linux-OS.

- Internet Explorer, Microsoft Edge, Firefox, Safari, Opera and Chrome

² A recording via the **vitero session recorder** (if licensed) cannot be made with an Apple Mac Computer. Recordings can only be made with 64-Bit Windows PCs.

³ Obligatory for sound recording and playback with **vitero webcam recorder** and **vitero** Video Player.

⁴ It is possible to use the webcam function with an external webcam in the **vitero** room up to macOS 10.12. The use of an integrated webcam is not possible.

⁵ Only with **vitero essentials+**. Range of functions is limited, see chapter 'Requirements & Specific Features' in the [vitero product data sheet](#).

Citrix

- **vitero** is certified for the use within Citrix. For more details, please visit [this website](#).

Linux/Vitero Management System

- Microsoft Internet Explorer, Microsoft Edge, Firefox, Safari, Opera and Chrome
- Adobe Flash Player (from version 10) is required for the video preview in the Vitero Management System⁶ only

Internet/intranet connection

- Minimum: 100 kbit/s upload and download
recommended: DSL

vitero Outlook Add-In

Optionally available for the role 'Named Moderator' (license model Named Moderator or Concurrent User)

- Microsoft Office 2007, 2010, 2013 or 2016⁷

⁶ Adobe Flash Player is required only with browsers that do not support the HTML 5 standard and mp4 video codec. It is also required for playing video clips that have been recorded with **vitero webcam recorder**. Currently, the video preview is available with Windows PCs only.

⁷ The following components are required for the **vitero** Outlook Add-In: Microsoft Office system Primary Interop Assemblies (PIA), Visual Studio 2010 Tools (VSTO4) and Microsoft .NET Framework 3.5.

Addresses, ports, encryption, and others

When using the **vitero** download variant no installations or registry entries are made. Only an executable file needs to be started. Please bear in mind that proxy server restrictions may apply.

If specific settings for an installed flash player⁸ have been made via the file *mms.cfg* and VoIP or webcams are to be used in the virtual team room, please bear in mind that the parameter AVHardwareDisable must **not** have the value '1'. When using a telephone conference for audio communication the setting in the file *mms.cfg* can be ignored.

Connection to the **vitero** servers is established over the ports listed below. Port details in brackets are alternatives, which are used when the favourite port is not open.

- **vms.vitero.de** (IP: 85.215.2.196)
over Port 443, https, 128-bit SSL encryption
- **audio1.vitero.de** (IP: 85.215.2.199)
audio2.vitero.de (IP: 85.215.2.202)
Windows PC: over Port 443, rtmps, 128-bit SSL encryption
Apple Mac: over Port 1935, rtmpe,
(alternative port: Port 80),
128-bit encryption

⁸ The installation of Adobe Flash Player is not required.
Please find further information here: [Administration Guide for Adobe Flash Player.](#)

Application Sharing in the virtual team room

appsharing1.vitero.de (IP: 85.215.2.197)
appsharing2.vitero.de (IP: 85.215.2.200)
appsharing3.vitero.de (IP: 85.215.11.131)
appsharing4.vitero.de (IP: 85.215.11.133)
appsharing5.vitero.de (IP: 85.215.11.135)
appsharing6.vitero.de (IP: 85.215.11.137)

over Port 16501, TCP
(alternative ports: Port 443, TCP or Port 80, http),
128-bit Blowfish encryption

Application showing for the browser access

- **appsharingweb1.vitero.de** (IP: 85.215.2.198)
appsharingweb2.vitero.de (IP: 85.215.2.201)
appsharingweb3.vitero.de (IP: 85.215.11.132)
appsharingweb4.vitero.de (IP: 85.215.11.134)
appsharingweb5.vitero.de (IP: 85.215.11.136)
appsharingweb6.vitero.de (IP: 85.215.11.138)

over Port 443, https/wss, 128-bit SSL encryption