Tixeo Communication Client

WorkSpace3D requirements

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1 Introduction

This document goal is to provide you with the requirements to use the WorkSpace3D video conference service, depending on the used system and the chosen method of connection.

WorkSpace3D allows joining video conferences from any device, such as:

- Desktop or laptop running Windows, and using **the Tixeo Commucation Client**
- A **web browser** on Mac, Linux and even Windows
- A SIP & H323 equipment

2 System requirements

2.1 Attending a video conference using a Windows desktop or laptop

Windows users can install the **Tixeo Communication Client** granting them access to the complete set of features, such as: presence, ad-hoc meetings, document sharing…

Supported operating systems
Windows XP, Vista & 7: **32 & 64 bits**
Bandwidth requirements
Upload rate from **250 kb/s** to **1.5Mb/s** Download rate from **512 kb/s** to **8Mb/s** **For more information, contact us.**
Minimum required configuration
Core2Duo 2.5 Ghz or above **2 Go** RAM or above 150 MB of free disk space Both ATI and NVIDIA GPU's are recommended for 3D Microsoft DirectX 8 or above Java (1) Powerpoint (2)

(1) JAVA is not mandatory but recommended to make installing the plugin easier.
(2) Microsoft PowerPoint is mandatory to share a slideshow using the « Slideshow » feature.

2.2 Attending a video conference from a web browser

Users joining a video conference from their web browser will be able to:

- See & hear everyone
- Be seen and heard by everyone
- See shared documents

Supported operating systems
Mac OS, Linux & Windows (XP to 7)
Recommended Web Browsers
Chrome, Firefox 3.6 or above Internet Explorer 8 or above, Safari with **Flash 11.2** or above
Bandwidth requirements
Upload rate from **250 kb/s** to **500 kb/s** Download rate from **1Mb/s** to **2Mb/s**

2.3 Attending a video conference from a SIP & H323 equipment

Tixeo's SIP & H323 gateway is compliant with SIP & H323 standards. Most of SIP & H323 equipment should work properly, although support of these standards is quite different from a manufacturer to an other one.

Below a list of SIP & H323 equipment officially tested & supported by Tixeo:

Support audio & video codecs
H264, H263, G711 **Default video resolution : HD 720p**
Tested & supported equipments by Tixeo
Product line **POLYCOM HDX** (7000 to 9000) & **POLYCOM VSX 8000** **Cisco Tandberg** products: EX90, C20, C60, 6000 MXP **Radvision XT 1000** **Lifesize** products**:** Softphone Mirial**, ClearSea 5.X for IPAD**

3 Recommended audio & video devices

Video conferences quality not only relies on the chosen solution and available bandwidth, but also on the quality of the used devices (microphone & webcam).

Below a list of devices officially tested and supported by Tixeo:

Recommended HD webcams
Logitech Quickcam Pro 9000 Logitech Quickcam HD C910 / C920 Logitech BCC950 ConferenceCam Microsoft Lifecam Studio
Recommended USB Headset & Echo-cancelling speakerphones
Logitech USB ClearChat headset series Logitech H360 USB Headset ClearOne Chat 50 or Chat 150 speakerphone JABRA 410 speakerphone