



# Tixeo compared to other videoconferencing solutions

Polycom	LifeSize	Zoom
Cisco Webex	WebRTC	Vidyo
Skype for Business	Skype	StarLeaf





# Tixeo VS Polycom

<b>Polycom</b>	LifeSize	Zoom
Cisco Webex	WebRTC	Vidyo
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Polycom is an important traditional player in the old world of videoconferencing. That is to say the world of meeting rooms equipped with dedicated and proprietary codecs. These systems are based on the standard protocols of videoconferencing H.323 and SIP.

Frankly speaking, these protocols are a nightmare when it comes to carry out mass deployment. There are so many ports to open to make it work properly that your network may turn into a sieve.

## Benefits of Tixeo

- ✓ **Security and confidentiality in videoconferencing communications (video/audio/chat/data) in multipoint meetings (CSPN certification/ANSSI Qualification)**
- ✓ **No change is necessary on the network security policy. Tixeo uses the HTTPS 443 port for all audio, video and data streams. There is no need to open new ports on the firewalls**
- ✓ **Application and desktop sharing are of high quality**
- ✓ **More collaboration functions. For example, you can grant specific rights to a participant like remote control on an application (it's impossible with the H.323 / SIP protocols)**
- ✓ **Interoperability with Polycom videoconferencing systems**
- ✓ **Instant Messaging, presence, etc.**
- ✓ **Pricing: connecting together up to 4 Polycom sites will cost you 10K€ to 30K€. But if more than 4 sites, you will need a MCU, which costs more than 50K€**
- ✓ **No need to replace the videoconferencing system every 3 years**

# Tixeo VS LifeSize

Polycom	<b>LifeSize</b>	Zoom
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LifeSize is a newer videoconferencing actor than Polycom and was one of the first to offer HD videoconferencing. It should be noted that Tixeo's technology already supports 4K. As well as Polycom, these systems are based on the H.323 / SIP protocols, so the benefits of Tixeo over Polycom that have already been mentioned previously are still valid.

## Benefits of Tixeo

- ✓ **Security and confidentiality in videoconferencing communications (video/audio/chat/data) in multipoint meetings (CSPN certification/ANSSI Qualification)**
- ✓ **No change is necessary on the network security policy. Tixeo uses the HTTPS 443 port for all audio, video and data streams. There is no need to open new ports on the firewalls**
- ✓ **Application and desktop sharing are of high quality**
- ✓ **More collaboration functions. For example, you can grant specific rights to a participant like remote control on an application (it's impossible with the H.323 / SIP protocols)**
- ✓ **Interoperability with LifeSize videoconferencing systems**
- ✓ **Instant Messaging, presence, etc.**
- ✓ **Pricing: connecting together up to 4 LifeSize sites will cost you 10K€ to 30K€. But if more than 4 sites, you will need a MCU, which costs more than 50K€**
- ✓ **No need to replace the videoconferencing system every 3 years**

# Tixeo VS Zoom

Polycom	LifeSize	<b>Zoom</b>
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Zoom is an American company created just 8 years ago. Although this solution allows videoconferencing in HD quality, it cannot claim to offer 4K Ready display quality today. It should also be noted that this solution is only available in the cloud, so it is impossible to consider an On-Premise installation. Finally, despite the implementation of some devices, Zoom security is very far from achieving the level of security achieved by Tixeo technology which, unlike Zoom's, is CSPN certified and qualified by the National Cybersecurity Agency of France.

## Benefits of Tixeo

- ✓ **Security and confidentiality in videoconferencing communications (video/audio/chat/data) in multipoint meetings (CSPN certification/ANSSI Qualification)**
- ✓ **No change is necessary on the network security policy. Tixeo uses the HTTPS 443 port for all audio, video and data streams. There is no need to open new ports on the firewalls**
- ✓ **Available in server mode**
- ✓ **Fast and smooth remote control**
- ✓ **4K Ready**
- ✓ **Meeting room equipment range**



# Tixeo VS Cisco Webex

Polycom	LifeSize	Zoom
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WebEx is a traditional player in the world of videoconferencing; it is now a product of Cisco which has not improved with the time, like a good French wine would do.

## Benefits of Tixeo

- ✓ **Security and confidentiality in videoconferencing communications (video/audio/chat/data) in multipoint meetings (CSPN certification/ANSSI Qualification)**
- ✓ **More intuitive user interface**
- ✓ **Video and audio are of higher quality in Tixeo videoconferencing**
- ✓ **Adaptive to the network capacity, works even on low bandwidth networks**
- ✓ **Available on a server on premise**
- ✓ **Interoperability with LifeSize or Polycom videoconferencing systems**
- ✓ **Meeting room equipment range**



# Tixeo VS WebRTC

(e.g. Google Hangouts)

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Google acquired On2 in 2010 and its VP8 video compression technology, and Global IP Solutions (GIPS) providing SDK for videoconferencing. Then Google put WebRTC into the public domain, including these technologies.

This is a very interesting technology because it works in Chrome, Firefox and Opera, and it can turn those browsers into videoconferencing endpoints.

Indeed, Tixeo has also been the first video conferencing editor in the world to use the Google VP8 codec. Two weeks after VP8 was set public, Tixeo put it in its products and all our customers were able to benefit of this codec. In 2013, Tixeo used the WebRTC technology in Helleo, a new and very innovative collaborative software.

However, Tixeo also pointed out many shortcomings, and concluded that this technology is not ready for business videoconferencing. Indeed, there are many problems when it comes to security and going through Proxy and Firewalls. In addition, this technology is not compatible with Internet Explorer and Safari.

## Benefits of Tixeo

- ✓ **Security and confidentiality in videoconferencing communications (video/audio/chat/data) in multipoint meetings (CSPN certification/ANSSI Qualification)**
- ✓ **No change is necessary on the network security policy. Tixeo uses the HTTPS 443 port for all audio, video and data streams. There is no need to open new ports on the firewalls**
- ✓ **Available in server mode**
- ✓ **Application and desktop sharing are of high quality**
- ✓ **Solution well suited to the business world**
- ✓ **Interoperability with H.323 / SIP videoconferencing systems**
- ✓ **Instant Messaging, presence, etc.**
- ✓ **Meeting room equipment range**



# Tixeo VS Vidyo

Polycom	LifeSize	Zoom
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Relatively new in the field of videoconferencing, Vidyo has managed to be different in the market thanks to its video codec H.264 SVC, providing scalability in video streams, without “transcoding” nor intensive processing on the server side.

It should be noted that Tixeo created “SVC on Demand” to push back the boundaries of traditional SVC technology, while retaining the advantages. [See here](#).

## Benefits of Tixeo

- ✓ **Security and confidentiality in videoconferencing communications (video/audio/chat/data) in multipoint meetings (CSPN certification/ANSSI Qualification)**
- ✓ **No change is necessary on the network security policy. Tixeo uses the HTTPS 443 port for all audio, video and data streams. There is no need to open new ports on the firewalls**
- ✓ **Application and desktop sharing are of high quality and more reactive**
- ✓ **More collaborative functions: Attendees can not only see the documents but take control, Multiple application sharing, not only one, etc.**
- ✓ **Instant Messaging, presence, etc.**





# Tixeo VS Skype for Business

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<b>Skype for Business</b>	Skype	StarLeaf

Lync is the Microsoft unified communications solution for business, and suffers by the same disadvantages in terms of deployments that the videoconferencing solutions based on H.323 or SIP, i.e. the opening of thousands of ports on the desktop.

## Benefits of Tixeo

- ✓ **Security and confidentiality in videoconferencing communications (video/audio/chat/data) in multipoint meetings (CSPN certification/ANSSI Qualification)**
- ✓ **No change is necessary on the network security policy. Tixeo uses the HTTPS 443 port for all audio, video and data streams. There is no need to open new ports on the firewalls**
- ✓ **More intuitive user interface**
- ✓ **Video and audio are of higher quality in Tixeo videoconferencing**
- ✓ **Adaptive to the network capacity, works even on low bandwidth networks**
- ✓ **Interoperability with H.323 / SIP videoconferencing systems**
- ✓ **Application and desktop sharing are of high quality and more reactive**
- ✓ **Meeting room equipment range**

# Tixeo VS Skype

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It's not an easy task to present Skype. This free solution has helped to democratize videoconferencing. It is the most widely used solution by the public at large, but not the most suitable for the business world. The numerous scandals of communication-tapping will not help to make Skype a secure solution for companies looking for confidentiality in videoconferencing.

## Benefits of Tixeo

- ✓ **Security and confidentiality in videoconferencing communications (video/audio/chat/data) in multipoint meetings (CSPN certification/ANSSI Qualification)**
- ✓ **Available in server mode (Skype is only available in the Cloud)**
- ✓ **Solution well suited to the business world (automatic deployment, LDAP integration, etc.)**
- ✓ **Interoperability with H.323 / SIP videoconferencing systems**
- ✓ **More advanced collaboration functions than in Skype**
- ✓ **Tixeo does not use your neighbour as a communications relay node (Skype uses your computer as a SuperNode to route the communications, [http://en.wikipedia.org/wiki/Skype\\_protocol](http://en.wikipedia.org/wiki/Skype_protocol))**
- ✓ **Meeting room equipment range**



# Tixeo VS StarLeaf

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Skype for Business	Skype	<b>StarLeaf</b>

StarLeaf was the first videoconferencing publisher to offer a 100% cloud videoconferencing solution. Tixeo has opted for another strategy by also offering its customers a videoconferencing solution in the Cloud while leaving them the choice to deploy this solution on their own infrastructures.

In addition, there is an unprecedented level of security for a videoconferencing solution: Tixeo's technology is CSPN certified and qualified by the National Cybersecurity Agency of France.

## Benefits of Tixeo

- ✓ **Security and confidentiality in videoconferencing communications (video/audio/chat/data) in multipoint meetings (CSPN certification/ANSSI Qualification)**
- ✓ **No change is necessary on the network security policy. Tixeo uses the HTTPS 443 port for all audio, video and data streams. There is no need to open new ports on the firewalls**
- ✓ **4K Ready**
- ✓ **Available on the cloud or in server mode**
- ✓ **Desktop application available on Linux**
- ✓ **Livestreaming functionality allowing mass broadcasting of the meeting, live**
- ✓ **Fast and smooth remote control**



**Tixeo France (Headquarters)**

Tel: +33 (0) 467 750 431  
support@tixeo.com

**Tixeo España**

Tel: +34 912 69 45 05  
spain@tixeo.com

**Tixeo Deutschland**

Tel: +49 (0)8806 9571 00  
deutschland@tixeo.com



The French technology Tixeo has obtained a CSPN certification and a qualification from ANSSI (National Cybersecurity Agency of France)



The Tixeo offer has been awarded the France Cybersecurity Label in the "Data security, encryption" category

[www.tixeo.com](http://www.tixeo.com)