



SignVideo Technical Specification

Signvideo can be used on a variety of devices such as:

- PCs,
- Laptops
- Apple mac
- Chrome Books
- Android Phones, Tablets
- iPhone and iPads

To get the app for your device please follow this link <https://signvideo.co.uk/download/>

Where possible it is advised to use a LAN connection rather than Wi-Fi as the quality of the video would be greatly improved.

WEB RTC Product

1. PC Requirements

- Windows 10 or above
- Mozilla Firefox
- Chrome

2. Installation

There is no installation required as the service is web based and is using WEB RTC delivered to Firefox and Chrome. The service is reached on

<https://service.signvideo.uk/web#/>

3. Webcam and Audio

- Logitech C920 (HD, USB 1080p) or similar specification. The higher the specification the better the video quality.
- Audio should be allowed on the PC

4. Network Requirements

Port	Domain/IP	Protocol	Direction (client's perspective)	Description
443	service.signvideo.uk / 46.249.223.170	TCP	Outgoing	Web traffic
5060	service.signvideo.uk / 46.249.223.170	TCP/UDP	Both ways (Initiated from inside)	SIP traffic to server
5061	service.signvideo.uk / 46.249.223.170	TCP	Both ways	To enable TLS Secure on SIP traffic
443	signvideo-webtc1.nwise.se / 3.8.246.53	TCP	Outgoing	Establishment of call, SIP secure



	signvideo-webtc2.nwise.se / 3.9.27.126			
	signvideo-webtc3.nwise.se / 18.171.13.52			
40000-40999	signvideo-webtc1.nwise.se / 3.8.246.53	UDP	Both ways (Initiated from inside)	Server for handling Web RTC Video and Audio Traffic
	signvideo-webtc2.nwise.se / 3.9.27.126			
	signvideo-webtc3.nwise.se / 18.171.13.52			
8000-8200	signvideo-proxy.nwise.se / 18.130.149.147	UDP	Incoming	RTP and RTCP Protocol
10000-20000	signvideo-proxy.nwise.se / 18.130.149.147	UDP	Outgoing	RTP and RTCP Protocol

Mobile device

1. Android Device
 - Any Android phone or tablet with the SignVideo or contactSCOTLAND App loaded free from Google Play store
2. Apple device
 - Any iPhone or iPad with the SignVideo or contactSCOTLAND app loaded free from Apple App Store.

3. Network requirements for Wifi

Android

Port	Domain/IP	Protocol	Direction (client's perspective)	Description
443	service.signvideo.uk 46.249.223.170	TCP	Outgoing	For logging in
5061	service.signvideo.uk 46.249.223.170	TCP	Both ways (Initiated from inside)	SIP traffic to server
10000-20000	signvideo-proxy.nwise.se 18.130.149.147	UDP	Both ways (Initiated from inside)	RTP and RTCP (Audio/Video)



iOS

Port	Domain/IP	Protocol	Direction (client's perspective)	Description
443	service.signvideo.uk 46.249.223.170	TCP	Outgoing	For logging in
5061	service.signvideo.uk 46.249.223.170	TCP	Both ways (Initiated from inside)	SIP traffic to server
10000-20000	signvideo-proxy.nwise.se 18.130.149.147	UDP	Both ways (Initiated from inside)	RTP and RTCP (Audio/Video)