

## SYSTEM REQUIREMENTS

- 2 GHz dual-core processor or better;
- 2 GB of RAM (4 GB or more recommended);
- An operating system such as Windows 7 (Windows 10 recommended), Mac OS 10.13 (the newest version recommended), Linux, Chrome OS, iOS or Android
- Internet connection 1 Mbps or better (broadband recommended)
- Speakers and microphone built-in, USB plug-in, Bluetooth wireless or professional broadcasting equipment
- Camera built-in, USB plug-in or professional camera for broadcasting

## SUPPORTED BROWSERS

- Google Chrome version 80 and later
- Safari 15 and later
- Opera version 60 and later
- Mozilla Firefox version 75 and later
- Microsoft Edge version 75 and later
- Vivaldi version 3.0 and later
- Yandex version 18 and later

Taking care of the security and experience of event participants, we recommend using the latest versions of browsers.

## BANDWIDTH REQUIREMENTS

The bandwidth used by LiveWebinar will be optimized for the best experience based on the participants' network. It will automatically adjust for 3G, WiFi\*\* or Wired environments.

\*\*We do not recommend connecting by 2.4 wifi because of radio noise and bluetooth interference that can lower your connection quality

### Recommended bandwidth for Online Events:

- For 1:1 video calling 500kbps (up & down)
- For group video calling: 500kbps/1Mbps (up/down)
- For screen sharing only: 50-200kbps (up/down)
- For audio VoIP: 50kbps

### Recommended bandwidth for single broadcast viewers:

- For 1:1 video calling 500kbps (down)
- For screen sharing only: 50-200kbps (down)
- For external streaming source only: 0.5-1.5 Mbps (down)
- For audio VoIP: 50kbps (down)

## FIREWALL CONFIGURATION

For LiveWebinar to work correctly, the following ports need to be open in your firewall:

- 443/TCP (required)
- 11250-49000/UDP + TCP (optional, recommended)

\*All parameters are default and may vary depending on the configuration of the enterprise account