



# Telehealth- Zoom System Requirements

## System Requirements for PC, Mac, and Linux

### System requirements

- An internet connection – broadband wired or wireless (3G or 4G/LTE)
- Speakers and a microphone – built-in or USB plug-in or wireless Bluetooth
- A webcam or HD webcam - built-in or USB plug-in
- Or, a HD cam or HD camcorder with video capture card

### Supported operating systems

- macOS X with macOS 10.7 or later
- Windows 10
- Windows 8 or 8.1
- Windows 7
- Windows Vista with SP1 or later
- Windows XP with SP3 or later
- Ubuntu 12.04 or higher
- Mint 17.1 or higher
- Red Hat Enterprise Linux 6.4 or higher
- Oracle Linux 6.4 or higher
- CentOS 6.4 or higher
- Fedora 21 or higher
- OpenSUSE 13.2 or higher
- ArchLinux (64-bit only)

### Supported tablet and mobile devices

- Surface PRO 2 running Win 8.1
- Surface PRO 3 running Win 10
- iOS and Android devices
- Blackberry devices

### Supported browsers

- Windows: IE 11+, Edge 12+, Firefox 27+, Chrome 30+
- Mac: Safari 7+, Firefox 27+, Chrome 30+
- Linux: Firefox 27+, Chrome 30+

## Processor and RAM requirements

	Minimum	Recommended
Processor	Single Core 1Ghz or Higher	Dual Core 2Ghz or Higher (i3/i5/i7 or AMD equivalent)
RAM	N/A	4Gb

### Notes:

- Dual and single core laptops have a reduced frame rate when screen sharing (around 5 frames per second). For optimum screen sharing performance on laptops we recommend a quad core processor or higher.
- Linux requires a processor or graphics card that can support OpenGL 2.0 or higher.

## High DPI support

- High DPI displays are supported in Zoom version 3.5 or higher

## Bandwidth requirements

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

### Recommended bandwidth for meetings and webinar panelists:

- For 1:1 video calling:
  - 600kbps (up/down) for high quality video
  - 1.2 Mbps (up/down) for 720p HD video
  - Receiving 1080p HD video requires 1.8 Mbps (up/down)
  - Sending 1080p HD video requires 1.8 Mbps (up/down)
- For group video calling:
  - 800kbps/1.0Mbps (up/down) for high quality video
  - For gallery view and/or 720p HD video: 1.5Mbps/1.5Mbps (up/down)
  - Receiving 1080p HD video requires 2.5mbps (up/down)
  - Sending 1080p HD video requires 3.0 Mbps (up/down)
- For screen sharing only (no video thumbnail): 50-75kbps
- For screen sharing with video thumbnail: 50-150kbps
- For audio VoiP: 60-80kbps
- For Zoom Phone: 60-100kbps

### Recommended bandwidth for webinar attendees:

- For 1:1 video calling: 600kbps (down) for high quality video and 1.2 Mbps (down) for HD video
- For screen sharing only (no video thumbnail): 50-75kbps (down)
- For screen sharing with video thumbnail: 50-150kbps (down)
- For audio VoiP: 60-80kbps (down)
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## HD camera suggestions

- Aver CAM340, Aver CAM520
- Logitech C930e, Logitech Brio, Logitech PTZ Pro
- Huddly
- VDO360 PTZ HD Camera
- VTEL HD4000PTZ Camera
- Vaddio Clearview USB
- Microsoft HD Webcams
- Hovercam Solo 5 Document and Webcam

## USB speakerphone & microphone

- Clearone Chat 150
- Jabra Speak 510
- Jabra Speak 710
- Jabra Speak 810
- Jabra USB Speakerphones
- Logitech P710e
- Plantronics Headsets
- Plantronics Calisto 600
- Phoenix Quattro3
- Revolab Fusion Wireless Microphones
- Revolabs UC500
- Shure Wireless Conferencing System
- Voice Tracker Array Microphones
- Yamaha PSP-20UR
- Yamaha YVC-100
- MXL Microphones for Conferencing

## Other peripherals

**Note:** Devices support vary with systems. Please test them first.

- Magewell HDMI capture (Mac or Win)
- Startech Composite/SVideo to USB (Win)
- Blackmagic Design Intensity Extreme (Mac)

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