

# Zoom Virtual Background system requirements

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This article lists the requirements for using [Virtual Background](#) in the Zoom desktop client and mobile app. If you are looking for help with Virtual Background troubleshooting, start by checking the list of requirements outlined below to make sure your version and computer or device support this feature. Background requirements apply to Windows, macOS, Linux, iOS, and Android devices, and operating systems. Requirements will vary depending if you are using an image or video as your background and if you are using a physical green screen. A green screen is recommended for the best Virtual Background experience while video conferencing but is not required.

## Notes:

- When comparing your processor with the requirements below, the generation of your processor can be determined by the first digit (or two) of the processor number, while the remaining 3 digits are the model number. For example, an Intel i7-6700 is the 700 model of the 6th generation of i7 processors.
- Virtual background without a green screen is not supported when utilizing the desktop client within a virtual environment.
- The [blurred background](#) option is only available for the Windows and macOS desktop clients, as well as the Android and iOS mobile apps. Desktop clients must meet the "Image only without a physical green screen" requirements.

## Virtual Background requirements for Zoom desktop client

### Windows

#### Image only without a physical green screen

- Zoom desktop client, version **5.2.0** or higher
- Windows 7, 8, and 10 (64-bit)
- Supported processors
  - Intel i3
    - 2 cores or higher
    - 5th generation or higher
  - Intel i5
    - 2 cores or higher
    - 3rd generation or higher
  - Intel i7
    - 2 cores or higher
    - 3rd generation or higher
  - Intel i9
    - 2 cores or higher

- 3rd generation or higher
- AMD
  - 8 logical cores
  - 3.0Ghz or higher

### **Image only with a physical green screen**

- Zoom desktop client, version **3.5** or higher
- Supported processors
  - Intel 2 cores with 2.0Ghz or higher (i5/i7 or AMD equivalent) processor
  - AMD Ryzen 5/7/9 or higher

### **Video without a physical green screen**

- Zoom desktop client, version **4.6.4** or higher
- Windows 7, 8, or 10 (64-bit)
- Supported processors (720p background video)
  - Intel i5, i7, i9
    - 2 cores or higher
    - 6th generation or higher
    - Excludes Atom and Y series
    - Processor must have Intel GPU
    - OS must be Windows 10, 64-bit
- Supported processors (1080p background video)
  - Intel i5
    - 4 cores or higher
    - 6th generation or higher
    - Excludes U series
  - Intel i7, i9, Xeon
    - 4 cores or higher
    - 4th generation or higher
  - Intel CPU with HD 620 integrated graphics requires the following:
    - Windows 10, 64-bit
    - Zoom client version **5.0.4** or higher
    - Driver version **26.20.xx.xx** or higher
    - i7 2 cores; **OR**
    - i5 2 cores with major version 26.20 or higher and minor version 7323 or higher
  - Other Intel processors
    - 6 cores or higher
    - 4th generation or higher
    - Excludes Atom and Y series
  - Non-Intel processors
    - 8 cores or higher with 3.0GHz or higher; **OR**
    - 12 cores or higher
  - AMD - Ryzen 5/7/9 or higher

### **Video with a physical green screen**

- Zoom desktop client, version **4.6.4** or higher
- Windows 7, 8, or 10 (64-bit)
- Supported processors (720p background video)
  - Intel i5, i7, i9
    - 2 cores or higher

- 6th generation or higher
    - Excludes Atom and Y series
  - Intel i5, i7, i9, Xeon
    - 4 cores or higher
  - Other Intel processors
    - 6 cores or higher
    - Excludes Atom and Y series
  - Non-Intel processors
    - 6 cores or higher with 3.0GHz frequency or higher; **OR**
    - 8 cores or higher; **OR**
    - AMD - Ryzen 5/7/9 or higher
- Supported processors (1080p background video)
  - Intel i5
    - 4 cores or higher
    - 5th generation or higher
  - Intel i7
    - 4 cores or higher
    - 2nd generation or higher
  - Intel i9, Xeon
    - 4 cores or higher
  - Other Intel processors
    - 6 cores or higher
    - Excludes Atom and Y series
  - Non-Intel processors
    - 8 cores or higher with 3.0GHz frequency or higher; **OR**
    - 12 cores or higher; **OR**
    - AMD - Ryzen 5/7/9 or higher

## Mac

### Image only without a physical green screen

- Zoom desktop client, **4.6.0** or higher
- macOS version **10.13** or higher
- Supported processors
  - Apple M1
  - i5 - 2 cores or higher, 6th generation or higher
    - Note:** 6th generation i5 dual-core processor, requires macOS **10.14** or higher
  - i7 - 4 cores or higher, 4th generation or higher

### Image only with a physical green screen

- Zoom desktop client, version **3.5** or higher
- Supported processors
  - Apple M1
  - 2 cores, 2Ghz or higher (i5/i7 or AMD equivalent)

### Video without a physical green screen

- Zoom desktop client, version **4.6.4** or higher
- macOS **10.13** or later
- Supported processors (720p background video)

- Apple M1 (Macbook Air and Pro)
- Intel i5
  - 2 cores or higher
  - 6th generation or higher
  - macOS **10.14** or higher
- Intel i5, i7, i9, Xeon
  - 4 cores or higher
- Intel i7, i9, Xeon
  - 2 cores or higher
  - 6th generation or higher
- Other Intel processors
  - 6 cores or higher
  - Excludes Atom and Y series
- Non-Intel processors
  - 8 cores or higher
- Supported processors (1080p background video)
  - Apple M1 (Macbook Pro only)
  - Intel i5
    - 4 cores or higher, 5th generation or higher; **OR**
    - 2 cores, 7th generation or higher, and 2.0Ghz or higher
  - Intel i7
    - 4 cores or higher
    - 2nd generation or higher
  - Intel i9, Xeon
    - 4 cores or higher
  - Other Intel processors
    - 6 cores or higher
    - Excludes Atom and Y series
  - Non-Intel processors
    - 8 cores or higher

## Video with a physical green screen

- Zoom desktop client, version **4.6.4** or higher
- macOS **10.9** or later
- Supported processors (720p background video)
  - Apple M1
  - Intel i5, i7, i9
    - 2 cores
    - 6th generation or higher
    - Excludes Atom and Y series
  - Intel i5, i7, i9, Xeon
    - 4 cores or higher
  - Other Intel processors
    - 6 cores or higher
    - Excludes Atom and Y series
  - Non-Intel processors
    - 8 cores or higher
- Supported processors (1080p background video)
  - Apple M1
  - Intel i5
    - 4 cores
    - 5th generation or higher
  - Intel i7
    - 4 cores or higher

- 2nd generation or higher
- Intel i9 and Xeon
  - 4 cores or higher
- Other Intel processors
  - 6 cores or higher
  - Excludes Atom and Y series
- Non-Intel processors
  - 8 cores or higher

## **Sending HD video when using Virtual Background**

When using Virtual Background without a green screen, your outgoing video resolution is capped at 720p. To achieve 1080p when using Virtual Background without a green screen, you must meet the [HD video guidelines](#) and the following system requirements:

- Zoom desktop client for macOS: version **5.8.6** or higher
- Intel processor: 6 cores or higher
- Apple M-Series or higher