<https://web.archive.org/web/20221209090553/https://www.photorobot.com/manuals/system-requirements>

# System Requirements for PhotoRobot

PhotoRobot Controls Application is a cross-platform software that provides consistent experience on the macOS and Windows operating systems.

Your computer must meet the required technical specifications outlined below to run PhotoRobot Controls Application.

## Operating system compatibility

PhotoRobot Controls Application is available fot the following versions of the operating systems:

* macOS BigSur 11
* macOS Monterey 12
* Windows 10 64bit
* Windows 11

## Recommended hardware

### macOS

| **Requirement** | **Recommended** |
| --- | --- |
| **RAM** | 16 GB of total system RAM or more |
| **Graphic card** | Dedicated GPU with 4 GB of memory or Apple Silicon (M1) |
| **Monitor resolution** | 1920??1080 or higher |
| **Hard disk space** | 500 GB SSD or higher |
| **USB** | USB 3.0, the number is based on the number of cameras used, should be +1 |

### Windows

| **Requirement** | **Recommended** |
| --- | --- |
| **RAM** | 16 GB of total system RAM or more / 2133MHz DDR4 memory |
| **CPU** | Intel?? processor with 64-bit support; 2.3 GHz or faster processor; i5 or higher architecture |
| **Graphic card** | 4 GB of GPU memory or more |
| **Monitor resolution** | 1920??1080 or higher |
| **Hard disk space** | 500 GB SSD or higher |
| **USB** | USB 3.0, the number is based on the number of cameras used, should be +1 |

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## Networking

PhotoRobot is delivered with its own subnet, connected to the customer's network. Internet connection is required.

The minimum recommended speed to the internet is 20/20 Mbps - for Cloud and Hybrid subscriptions.

The following services / ports need to be open to the internet:

* TCP, 443 (https), outbound
* TCP, 80 (http), outbound
* UDP, 53 (dns), inbound, outbound
* ICMP, (ping), recommended

Access to these servers on the Internet is required:

* **\*.photorobot.com** - Required PhotoRobot Cloud services
* **as-unirobot.azurewebsites.net** - Activation server for PhotoRobots, callhome service function

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