

INSTALLING AND LICENSING VICON SHOGUN

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About this guide

About this guide

This guide covers the following topics:

- [PC requirements for Vicon Shogun on page 3](#)
- [Install Vicon Shogun on page 8](#)
- [License Vicon Shogun on page 11](#)

For information on system setup, including components, optimization, and upgrading Vicon firmware, see the Vicon documentation that was supplied with your hardware and the relevant Vicon playlists on YouTube and Vimeo.

If you need further help with setting up your Vicon system, please contact [Vicon Support](#)¹.

¹ <mailto:support@vicon.com>

PC requirements for Vicon Shogun

PC requirements for Vicon Shogun

The specification for a PC for use with Shogun depends on the size of the motion capture system and the quantity of data to be captured and processed.

Note that the minimum recommended monitor resolution is 1080 pixels (1920 x 1080).

- [Laptop specification on page 4](#)
- [Medium-sized system specification on page 5](#)
- [Large system specification on page 6](#)
- [Supported operating system for Vicon Shogun on page 7](#)

Note

These guidelines may have been superseded since publication. For up-to-date information, please visit the [Vicon website FAQs](#)² and select **Operating systems and PC** or contact [Vicon Support](#)³.

For information on the Azure, Blue and Cobalt builds, contact sales@vicon.com⁴.

² <https://www.vicon.com/support/faqs/>

³ <mailto:support@vicon.com>

⁴ <mailto:sales@vicon.com>

PC requirements for Vicon Shogun

Laptop specification

This specification is recommended for a Vicon system that is to run on a laptop:

System size	Up to 20 Vantage/Vero cameras
Vue	Up to 2
SDI	Contact sales@vicon.com ⁵
Model/Chassis	XPS15
CPU	10 th generation Intel® Core™ i7-10750H (6-core, 12 MB cache, up to 5.0 GHz)
Graphics card	NVIDIA® GeForce® GTX 1650 Ti 4 GB GDDR6
Memory	32 GB (2x) 16 GB DDR4 2933 MHz
OS hard drive	1 TB M.2 PCIe NVMe Solid State Drive
Network card	Sonnet Solo 10 GbE Thunderbolt 3 Adapter
Wireless adapter	Killer Wi-Fi 6 AX1650 (2x2) and Bluetooth® 5.0

⁵ <mailto:sales@vicon.com>

PC requirements for Vicon Shogun

Medium-sized system specification

This specification is recommended for a medium-sized Vicon system (up to 40 cameras):

System size	Up to 40 Vantage/Vero cameras
Vue	Azure build: Up to 2 Blue build: Up to 6
SDI	Contact sales@vicon.com ⁶
Model/Chassis	Precision 3640 Tower (XE)
CPU	Intel® Core™ i7-10700 (8-core, 16 M cache, base 2.9 GHz, up to 4.8 GHz) DDR4-2933
Graphics card	NVIDIA® GeForce® RTX 2060 Super, 8 GB GDDR6, DP, HDMI, DL DVI (Precision 3640)
Memory	16 GB 2X8 GB DDR4 2666 MHz or 2933 MHz
OS hard drive	M.2 512 GB PCIe NVMe Class 40 Solid State Drive
Video hard drive	Azure build: OS hard drive Blue build: 1 TB PCIe NVMe Class 40 M.2 SSD
Data hard drive	2 TB SATA 7200 rpm
Network card	Intel® X550-T2 10 GbE
Wireless adapter	Intel® Wi-Fi 6 AX201 802.11ax Dual Band (2x2) wireless module + Bluetooth 5

These PCs are based on a 10 GB Vicon system topology.

⁶ <mailto:sales@vicon.com>

PC requirements for Vicon Shogun

Large system specification

This specification is recommended for a large Vicon system (over 40 cameras):

System size	40+ Vantage/Vero cameras
Vue	Azure build: Up to 2 Blue build: Up to 6 Cobalt build: Up to 8 (Theia Markerless compatible)
SDI	Azure build: Contact sales@vicon.com ⁷ Blue build: Up to 2 Cobalt build: Up to 4
Model/Chassis	AMD X570 ATX Mid Tower
Motherboard	X570 ATX AM4 supports up to 3 NMMe
CPU	AMD Ryzen 9 3950X 3.5 Ghz 16-Core processor with Corsair H100X 57.2 Liquid CPU cooler
Graphics card	NVIDIA® GeForce RTX 2070 SUPER
Memory	32 GB (2×16 GB) DDR4 2666 MHz
OS hard drive	M.2 512 GB PCIe NVMe Class 40 Solid State Drive
Video hard drive	Blue build: 1x M.2 1 TB PCIe NVMe Class 40 Solid State Drive Cobalt build: 2x M.2 1 TB PCIe NVMe Class 40 Solid State Drive
Data hard drive	4 TB SATA 7200 rpm
Network card	Intel® X540 NIC-T2 10 GbE
Wireless adapter	Intel® Dual Band Wireless AC 8265 (802.11ac) 2×2 + Bluetooth® module

These PCs are based on a 10 GB Vicon system topology.

For information on optimizing performance for AMD CPUs, see [Improving system performance on AMD CPUs](#)⁸.

⁷ <mailto:sales@vicon.com>

⁸ <https://docs.vicon.com/display/Connect/Improving+system+performance+on+AMD+CPUs>

PC requirements for Vicon Shogun

Supported operating system for Vicon Shogun

Shogun 1.5 is supported under the following operating system:

- **Microsoft Windows 10, 64-bit** (this is the Vicon-recommended OS):
Compatible with and fully supported. Installation, software operation and required third-party drivers tested.

Although Shogun may install and function under other Microsoft Windows operating systems, this is not officially supported or recommended by Vicon.

For further details, see [Vicon system setup information](#)⁹ or the PDF *PC Setup for Vicon Systems*.

⁹ <https://docs.vicon.com/display/Connect/Vicon+system+setup+information>

Install Vicon Shogun

Install Vicon Shogun

The Shogun installer enables you to install the following components:

- **Vicon ShogunPost** This option installs Vicon Shogun Post, which supports offline functionality (post-processing). Selected by default.
- **Vicon ShogunLive** This option installs Vicon Shogun Live, which supports live functionality (real time and capture). Selected by default.
- **Vicon Video Viewer** This option enables you to view .vid format video files (produced by Shogun). Selected by default.
- **Vicon Eclipse** This options installs Vicon Eclipse, which is a standalone application for Vicon Shogun data management. (A data management function is also included in Shogun Post.) Selected by default.
- **Bonjour** This option installs Bonjour networking technology software. Selected by default.
- **Sentinel License Server** This option enables you to use this computer to host a SafeNet License Server to which other PCs can connect to use software licenses. For information on licensing, see [License Vicon Shogun on page 11](#). Selected by default.
- **Safenet Dongle Driver** This option enables you to use a Safenet dongle, so is only necessary if your license uses a dongle. (You may need to reboot your PC after installation.) Cleared by default.

Install Vicon Shogun

To install Shogun:

1. Visit the Vicon **Shogun** page at <https://www.vicon.com/software/shogun>.
2. On the **Shogun** page, click **Download** and download the Vicon Shogun software installer.
3. In Windows Explorer, go to the folder to which you downloaded the installer and double-click *Vicon_Shogun_Setup.exe*.

Note

If you attempt to install Shogun on a machine running a version of Windows that is earlier than Windows 10, you may receive an error message that halts the installation. The message instructs you to install a specified Windows update before re-starting the Shogun installation. In this case:

- a. Exit the Shogun installation.
- b. Download and install the specified Windows update.
- c. Start the Shogun installation again.

4. In most cases, accept the default options to install ShogunLive, ShogunPost, Vicon Retarget, Vicon Video Viewer, Vicon Eclipse, Bonjour, and the license server. If you are using a SafeNet dongle, select the option to install the SafeNet dongle driver.

Note that if an older version of the license server is already installed, it is replaced. If the same version is already installed, the license server is not installed.

Caution

Installing the Sentinel License Server also installs the License Tools. If you are already using any other version of the SafeNet licensing tools, before replacing them with the version included with Shogun, contact Vicon Support for advice.

If you are setting up a network license server and you do not want Shogun on that machine, you can choose to install only the license server.

Install Vicon Shogun

5. On the **End-User License Agreement** wizard page, read and accept the terms and click **Initialize**.
6. On Shogun installation initialization wizard page, click **Install**.
The installation pages and license agreements that are displayed depend on the options you selected in Step 4.
7. Click through the installation pages, accepting any necessary license agreements.
8. On the final installation wizard page, click **Finish**.
9. Enter the required information into the subsequent dialog boxes until the License Manager installation is complete.
10. If the Bonjour networking technology dialog box appears, click **Next** and allow the installation to proceed until it is complete.

License Vicon Shogun

For information about licensing Shogun, see the following topics:

- [Request a license on page 12](#)
- [Activate a license on page 14](#)
- [Set the license server on page 15](#)
- [Use a commuter license on page 17](#)
- [License Shogun with a Safenet dongle on page 23](#)
- [View information about license servers on page 24](#)

License Vicon Shogun

Request a license

To request a license, you start Shogun and supply the relevant details.

 **Tip**

In addition to the procedure for accessing licensing described below, you can also manage licensing in the following ways:

- After you have licensed Shogun, start Shogun and on the **Help** menu, click the **About** option and in the dialog box, click **Licensing**; or
- To run the Vicon Automated Unified Licensing Tool (VAULT) independently of Shogun, click the **Windows** button, then on the **START** menu, click **Vicon** and then **Vicon Product Licensing**.

To request a license from Vicon Support:

1. If you are using a SafeNet dongle to license your machine, insert the dongle.
2. On the machine for which you want the license (either a networked license server or a standalone machine), start Shogun and at the left of the dialog box, click **Request License**.
3. At the top of the **Request a License** dialog box, from the **Product** and **Product Version** menus, ensure **Shogun** and **1.x** are selected.
4. In the appropriate fields, type your name, email address and company name.
5. In the **Options** area, select whether to request:
 - **Standalone license locked to local PC name:** for use by the PC from which you are sending this request only
 - **Network license locked to license server name:** for use on the license server machine from which you are sending this request by one or more PCs on the same network
 - **Standalone license locked to a dongle:** for use with the specified dongle on a single PC. In the **Dongle ID** field, type the ID, which is found on the dongle.
6. For network/server based licenses only: if necessary, change the value for the **Number of Seats**.

License Vicon Shogun

7. Leave the settings in the **Machine** area at their default values unless you are asked to change them by Vicon Support (for example, if you are using a dual-booting system or have had to reinstall Windows).
8. Do one of the following:
 - If you can currently email your license request, click the **Email Request** button; or
 - If email is currently unavailable, click **Save Request to a file**, so that you can send the request later. Type or browse to a suitable location and click **OK**. The file is saved as *ViconLicenseRequest*.xml*.
When possible, email the file to [Vicon Support](mailto:support@vicon.com)¹⁰.

¹⁰ <mailto:support@vicon.com>

License Vicon Shogun

Activate a license

After you have received a license file from Vicon Support, you must activate it before you can start using Vicon Shogun.

To activate a license:

1. Check your email for a message from Vicon Support. The license file (named *Shogun.lic*) is attached to the email. If you have not received a license file, request one as described in [Request a license on page 12](#).
2. Save the license file (*.lic) to the Windows desktop of the machine for which you have a license (or any other suitable location).
3. Start Shogun and in the **Vicon Automated Unified Licensing Tool** dialog box, click **Activate License**.
4. Depending on whether you are using the file as it was received from Vicon Support or as a text string copied from the file.
 - In the **License File Activation** field, type or browse to the location of the license file (.lic) and click **Activate from File**; or
 - Copy the text to the **License Activation string** field and click **Activate from String**.
5. Click **OK**.



Tip

You can only deactivate a network license from the relevant license server machine, not from any of the client machines.

License Vicon Shogun

Set the license server

If a server provides licenses to client PCs on your network, to enable a client PC to find its license quickly, specify the license server for Shogun.

If you use standalone licensing, Shogun should automatically find its license. If not, or if you need to change the license server, follow the steps below.

To enable Shogun to find its license

1. Ensure you have installed Shogun as described in [Install Vicon Shogun on page 8](#). Depending on the type of license you have, ensure that your system is ready:
 - If your PC obtains its license from a license server, ensure that Shogun is licensed on the relevant server.
 - If you are using a standalone license, ensure that you have requested, saved, and activated your license on this machine.
2. Start Shogun and depending on whether or not a license is found:
 - If the **Vicon Automated Unified Licensing Tool** dialog box opens, click **Set License Server**; or
 - If Shogun opens and you want to view or change the current license server:
 - i. On the **Help** menu, click **About** and in the dialog box, click **Licensing**.
 - ii. In the **Vicon Automated Unified Licensing Tool** dialog box, go to the **Product License Location** list (in the lower half of the dialog box), and right-click on the line that shows the relevant Shogun license and then click **Set License Type**.

License Vicon Shogun

3. In the **Change License Server** dialog box, do one of the following:
 - To use standalone licensing, click **Use Standalone/Commuter Licenses Only** and then click **OK**.
 - To obtain a license from any available license server (local or on a network), click **Use Standalone/Commuter Licenses Or Scan for a License Server** and then click **OK**.
 - To select a specific license server from a list of available servers:
 - i. Click **Discover**. Both local and network licenses are shown.
 - ii. In the **Available Servers** list, double-click the required license server and then click **OK**.
 - To specify a license server, click **Use a Specific Network License Server**, type the name in the **License Server** field, and click **OK**.



Tip

You can instead select the required license server by going to the **License Server** list (in the upper half of the dialog box), right-clicking on the line that shows the relevant Shogun license and then clicking **Use This License for Shogun**.

License Vicon Shogun

Use a commuter license

You can check out (borrow) a seat from a network license so that it can be used for the number of days that you specify, on a machine that is not connected to the license server network. You can check out a seat to:

- A machine on your network (see [Check out to a network machine on page 18](#)), so that Shogun can subsequently be used when the machine is no longer connected to your network; or
- A machine that is not connected to your network (see [Check out to a remote machine on page 19](#))

When a commuter license is no longer needed, it is checked back in again, so that it can be used from the license server network as usual. Licenses are automatically checked in at the end of a specified check-out period, or can be manually checked in early (not applicable to remotely checked-out licenses). For more information, see [Check in a commuter license on page 22](#).

License Vicon Shogun

Check out to a network machine

You can check out a seat from an existing license for use on a machine on your license server network, so that Shogun can subsequently be used on the machine when it is no longer connected to your network.

To check out a seat to a machine on the license server network:

1. On a network machine that you want to use remotely, open the advanced **Vicon Automated Unified Licensing Tool** dialog box by doing one of the following:
 - Start Shogun. On the **Help** menu, click **About**. In the dialog box, click **Licensing**; or
 - Click the **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**.
2. In the **License Server** list in the top part of the dialog box, right-click on the license that contains the seat that you want to check out and click **Check Out**.
3. In the **Check Out License** dialog box, specify the number of days for the license to be used remotely and then click **Check Out**.
Checked out licenses are flagged with **Commuter** in the **Type** column in the **License Server** list in the top part of the **Vicon Automated Unified Licensing Tool** dialog box.

License Vicon Shogun

Check out to a remote machine

In addition to checking out a license to a network machine (see [Check out to a network machine on page 18](#)), you can also check out a license to a machine that is running the Vicon Automated Unified Licensing Tool (VAULT), but is not connected to the network containing the license server. This involves the following procedures:

- [On the remote machine: Generate a locking code on page 19](#) and send it to a user of a machine on the license server network.
- [On a network machine: Check out a commuter license on page 20](#) and send it to the remote user.
- [On the remote machine: Save and activate the commuter license on page 21](#)


On the remote machine: Generate a locking code

1. To open the advanced **Vicon Automated Unified Licensing Tool** dialog box, do one of the following:
 - Start Shogun and in the **Vicon Automated Unified Licensing Tool** dialog box click **Advanced Licensing**; or
 - Click the **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**.
2. In the **Vicon Automated Unified Licensing Tool** dialog box, click **View Remote Locking Code**.
3. In the **Current Machine Locking Code** dialog box, type the email address of a person to whom the network license server is available, and click **Send**, or to save it to a string to send later, type or browse to the required location and filename, click **Save to File** and close the dialog box.

The person with access to the license server can then check out a commuter license for use on the remote machine, as described in the following steps.

License Vicon Shogun

On a network machine: Check out a commuter license

1. To open the advanced **Vicon Automated Unified Licensing Tool** dialog box, do one of the following:
 - Start Shogun. On the **Help** menu, click **About**. In the dialog box, click **Licensing**; or
 - Click the **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**.
 2. In the **License Server** list in the top part of the dialog box, right-click on a license that permits commuter licensing for the required product. If the selected license permits commuter licensing, the context menu displays a **Check Out** option and at the bottom of the dialog box, a **Check Out** button is displayed.
 3. Click **Check Out** and in the **Check Out License** dialog box:
 - a. Specify the number of days for which you want to use the license remotely.
 - b. Expand the **Advanced Options** by clicking the downward pointing arrow on the right, and click **Remote Check Out**.
-  **Caution**
Do not overestimate the number of days for which the license will remain checked out. After a remote check out, you cannot check the license back in again until the number of days that you specified has expired.
4. In the **Remote Commuter License Check Out** dialog box, enter the locking code string for the remote machine that was emailed or sent by the user of the remote machine, as described in [On the remote machine: Generate a locking code on page 19](#) above, and click **Check Out**.
 5. In the **Save Commuter License** dialog box, type or browse to a path and filename for the saved commuter license, click **Save to File** and then close the dialog box. The commuter license is saved as a license file (*.lic).
 6. Email the saved commuter license file to the remote user. The remote user can then save and activate the checked-out commuter license on the remote machine, as described in the following steps.

License Vicon Shogun

On the remote machine: Save and activate the commuter license

1. Save the file that was sent to you as described in [On a network machine: Check out a commuter license on page 20](#) above to the Windows desktop (or any other suitable location).
2. To open the advanced **Vicon Automated Unified Licensing Tool** dialog box, either:
 - Start Shogun and in the **Vicon Automated Unified Licensing Tool** dialog box click **Activate License**; or
 - Click the **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**, and then click **Activate License**.
3. Depending on whether you are using the file as it was received from the license network user or a text string copied from the file, either:
 - In the **License File Activation** field, type or browse to the location of the license file (*.lic*) and click **Activate from File**; or
 - Copy the text to the **License Activation string** field and click **Activate from String**.
4. Close the **Activate a License** dialog box.
In the **License Server** list in the top part of the **Vicon Automated Unified Licensing Tool** dialog box, checked out licenses are flagged with **Commuter** in the **Type** column.

License Vicon Shogun

Check in a commuter license

Licenses that have been checked out are checked back in and made available for use from the network in either of the following ways:

- If the specified check-out period has expired, the license is automatically checked back in.
- If the license is no longer needed for remote use, you can check it back in early.



Caution

This doesn't apply to licenses that were checked out using **Remote Check Out**, which remain checked out until their check-out period expires.

To check in a license manually:

1. To open the advanced **Vicon Automated Unified Licensing Tool** dialog box, do one of the following:
 - Start Shogun. On the **Help** menu, click **About**. In the dialog box, click **Licensing**; or
 - Click the **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**.
2. In the top part of the dialog box, click on the license you want to check in and then click **Check In License**.



Important

You cannot check in a license that was checked out using **Remote Check Out** before its check-out period has expired. You set the check-out period when you check out a license. To see how many days are left on a commuter license, in the **License Server** list in the top part of the **Vicon Automated Unified Licensing Tool** dialog box, find the relevant license and look at the date in the **Expiry** column.

License Vicon Shogun

License Shogun with a Safenet dongle

If you have received a SafeNet dongle for use with your Vicon Shogun license, you must request a license, download and install the appropriate drivers, and activate the license that you receive from Vicon Support.

To use a SafeNet dongle for licensing:

1. Insert the SafeNet dongle into a USB port on the PC.
2. Ensure you have downloaded and installed the latest drivers for the dongle onto the PC on which you will run Shogun. You can either choose the option for dongle drivers when you install Shogun, or run the Shogun installer at any time, or you can download the drivers from the [Vicon website](#)¹¹.
3. Check your email for a message from Vicon Support with the ID of your dongle (of the form UBnnnnnn) in the **Subject** line. The license file (named *Shogun.lic*) is attached to this email. If you have not received a license file, request one (see [Request a license on page 12](#)).
4. Save the file *Shogun.lic* that you are sent by Vicon Support to your Windows desktop (or any other suitable location).
5. Activate the license as described in [Activate a license on page 14](#).
6. You can now run Shogun.

To use your dongle on a different computer, repeat the above process on the new PC.

¹¹ <http://www.vicon.com/downloads>

License Vicon Shogun

View information about license servers

In the **Vicon Automated Unified Licensing Tool** dialog box, you can view information about all available license servers without affecting the license server that is currently in use. To do this:

1. Open the advanced **Vicon Automated Unified Licensing Tool** dialog box by doing one of the following:
 - Before licensing Shogun, start Shogun and in the **Vicon Automated Unified Licensing Tool** dialog box click **Advanced Licensing**;
or
 - After Shogun is licensed, start Shogun and on the **Help** menu, click **About**. In the dialog box, click **Licensing** to open the **Vicon Automated Unified Licensing Tool** dialog box;
or
 - Click the Windows **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**.
2. In the **Vicon Automated Unified Licensing Tool** dialog box, if the required license server is not displayed in the **License Server** field at the top, click **Change** at the top right of the dialog box.
3. In the **Options** area of the **Select License Server** dialog box, do one of the following:
 - To view local standalone licenses and commuter licenses, select **View Licenses from the Locally Installed License Server**;
or
 - To view licenses on a specified license server, type the name of the required server in the **License Server** field. If you don't know the license server's name, click **Discover** and in the **Available Servers** list, double-click a license server.
4. Click **OK**.
In **License Server** list in the top part of the **Vicon Automated Unified Licensing Tool** dialog box, licenses from the specified license server are displayed.

License Vicon Shogun



Tip

Changing the license server that is displayed in the **License Server** list does not affect the license server that is used for licensing, shown in the **Product License Location** list in the lower part of the dialog box. To change the license server that is used for licensing, see [Set the license server](#) on page 15.