

Installing and licensing Vicon Shogun

Contents

About this guide
PC requirements for Vicon Shogun
Install Vicon Shogun
License Vicon Shogun 8
Request a license 9
Activate a license
Set the license server
Use a commuter license
License Shogun with a Safenet dongle
View information about license servers 20

© Copyright 2018 Vicon Motion Systems Limited. All rights reserved.

Vicon Motion Systems Limited reserves the right to make changes to information in this document without notice. Companies, names, and data used in examples are fictitious unless otherwise noted. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic or mechanical, by photocopying or recording, or otherwise without the prior written permission of Vicon Motion Systems Ltd.

Vicon® is a registered trademark of Oxford Metrics plc. Vicon Blade™, Vicon Control™, Vicon Lock™, Vicon Lock™, Vicon Nexus™, Vicon Pegasus™, Vicon Shogun™, Vicon Studio™, T-Series™, Vicon Tracker™, Vicon Vantage™, Vicon Vero™, Vicon Vertex™, and Vicon Vue™ are trademarks of Oxford Metrics plc.

Bonjour is a trademark of Apple Inc., registered in the US and other countries.

Other product and company names herein may be the trademarks of their respective owners.

Vicon Motion Systems is an Oxford Metrics plc company. Email: support@vicon.com Web: http://www.vicon.com



About this guide

This guide covers the following topics:

- PC requirements for Vicon Shogun on page 3
- Install Vicon Shogun on page 5
- License Vicon Shogun on page 8

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.



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).



Caution

These guidelines may have been superseded since publication. For up-to-date information, please visit the Vicon website FAQ FAQ, 'What is the recommended computer specification to run my Vicon Shogun system' or contact Vicon Support.

The following specification is recommended for most medium- to large-sized Vicon Shogun systems:

- 8 core 3+GHz Intel processor
- 32 GB memory
- Primary drive (system OS and Vicon Shogun): SSD (512 GB minimum recommended)
- Secondary drive (data storage): SATA drive (2 TB or larger recommended)
- Graphics card: nVidia GeForce GTX 1060 or equivalent (3 GB minimum recommended). Similar spec nVidia Quadro card is acceptable.
- Windows 10 Pro 64-bit (also see Supported operating systems for Vicon Shogun on page 4)

For Vicon systems that include supported video cameras:

- Video drives (to guarantee speeds, one per Vue or Bonita Video camera. However, depending on system requirements and SSD specification, two video streams may be written to one drive): SSD (Samsung Evo series or equivalent recommended)
- Network card: either an Intel i350 T4 Quadport Ethernet Server Adapter or Intel Ethernet Server Adapter i210 T1 single port adapter



Supported operating systems for Vicon Shogun

Shogun 1.2 is supported under the following operating systems:

- 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.
- Microsoft Windows 7: Supported and has undergone limited testing.

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 the PDF *PC Setup for Vicon Systems*, available from the Vicon documentation website.



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 . *vvid* 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 8. 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.

To install Shogun:

- 1. Visit the Vicon Software page at https://www.vicon.com/downloads/software.
- 2. On the **Software** page, click Shogun 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 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.



A 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.

- 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 9
- Activate a license on page 11
- Set the license server on page 12
- Use a commuter license on page 14
- License Shogun with a Safenet dongle on page 19
- View information about license servers on page 20



Request a license

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

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.



🕢 Tip

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.
- 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.
 - Network license locked to a dongle: for use on a license server machine by one or more PCs via the specified dongle. 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.



- 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.



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 9.
- 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.



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

- Ensure you have installed Shogun as described in Install Vicon Shogun on page
 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:
 - On the **Help** menu, click **About** and in the dialog box, click **Licensing**.
 - 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.



- 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:
 - Click Discover. Both local and network licenses are shown.
 - 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.



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.



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 14), 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 15)

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 18.

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:

- 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.



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 14), 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 15 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 16 and send it to the remote user.
- On the remote machine: Save and activate the commuter license on page 17

On the remote machine: Generate a locking code

- 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.



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;
 - 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 15 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.



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 16 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.



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 does not 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;
 - 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 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.
- 3. Check your email for a message from Vicon Support with the ID of your dongle (of the form UBnnnnn) 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 9).
- **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 11.
- 6. You can now run Shogun.

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



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.



✓ 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 12.