

IMAQ VISION DEPLOYMENT ENGINE

The IMAQ Vision Deployment Engine provides the tools you need to deploy your custom IMAQ Vision applications on target computers. The IMAQ Vision Deployment Engine includes the following:

- The ability to create IMAQ Vision 5 and 6 run-time engine installers, which integrate with installers created with the LabVIEW Application Builder, the LabWindows/CVI distribution kit creator, or your own custom installer
- The ability to install IMAQ Vision 5 and 6 run-time engines directly from the Deployment Engine CD
- One IMAQ Vision deployment license, which allows you to install your custom application to a single machine

The IMAQ Vision run-time engine installer does not install the OCR engine or the IMAQ Vision for Visual Basic ActiveX controls. To deploy applications built with the OCR engine, see the *Redistributing Executable OCR Applications* topic in the IMAQ Vision OCR Help (in the **Find** tab, type *redistributing*). To deploy applications built with IMAQ Vision ActiveX controls, see the Microsoft Visual Basic documentation.



System Requirements

The IMAQ Vision Deployment Engine has the same system requirements as IMAQ Vision. See the IMAQ Vision release notes that came with your software for system requirements.

Installation Instructions

Follow these instructions to install the IMAQ Vision Deployment Engine:

1. Insert the IMAQ Vision Deployment Engine CD into your computer.
2. If you do not have autorun enabled, double-click on `autorun.exe`.
If you have autorun enabled, `autorun.exe` runs automatically.
3. Follow the instructions on your screen.

Using the IMAQ Vision Deployment Engine

The IMAQ Vision Deployment Engine creates installers for the IMAQ Vision run-time engine. Your applications can install the IMAQ Vision run-time engine for either IMAQ Vision 5 or IMAQ Vision 6. If you are deploying an application created with IMAQ Vision 5, use the IMAQ Vision 5 run-time engine installer (`vision50rte.exe`). If you are deploying an application created with IMAQ Vision 6, use the IMAQ Vision 6 run-time engine installer (`vision60rte.exe`). The IMAQ Vision Deployment Engine CD includes executables to update your development systems to use the same version of IMAQ Vision as the run-time engines. These executables are located in the **Updates** directory of the CD.

You can call the IMAQ Vision run-time engine installer from your application installer. If you use the LabVIEW Application Builder or the LabWindows/CVI distribution kit creator to create your application installer, you can direct your installer to call the IMAQ Vision run-time engine installer. For more information about the LabVIEW Application Builder, launch LabVIEW Help from within LabVIEW (**Help»Contents and Index**), click the **Index** tab, and locate the *Advanced Installer Settings dialog box* topic. For more information about the LabWindows/CVI distribution kit creator, see the *LabWindows/CVI User Manual*.

You can also direct your own custom application installer to call the IMAQ Vision run-time engine installer. Refer to the documentation that came with your installer software to learn how to call executables from your custom installer. If you are using a custom installer, call the IMAQ Vision run-time engine installer at the end of your installation procedure because the run-time engine installer may require a system reboot.

To use the run-time engine installer, you must add `/qn` as a command line argument. For example, if you are using the IMAQ Vision 6 run-time engine installer, your full command line would be:

```
vision60rte.exe /qn
```

Distributing LabVIEW Applications

The IMAQ Vision run-time engine installer does not install LabVIEW VIs. If you use the LabVIEW Application Builder to create an application (EXE) or shared library (DLL), the Application Builder automatically includes the VIs used by your application. If you distribute a VI, you must include all subVIs that comprise the top-level VI. For more information about determining which subVIs comprise your top-level VI, see the *Viewing the Hierarchy of VIs* topic in LabVIEW Help (in the **Find** or **Search** tab, type `hierarchy`).

In addition to including the IMAQ Vision run-time engine with your installer, you must include the appropriate LabVIEW run-time engine. For more information, see the *Using the LabVIEW Run-Time Engine* topic in LabVIEW Help (in the **Find** or **Search** tab, type run-time engine).

Distributing LabWindows/CVI Applications

In addition to including the IMAQ Vision run-time engine with your installer, you must include the appropriate LabWindows/CVI run-time engine. For more information about creating and distributing standalone executables and DLLs, see the *LabWindows/CVI Programmer Reference Manual*.

Installing the IMAQ Vision Run-Time Engine from the CD

You can install the IMAQ Vision run-time engine directly from the splash screen of the IMAQ Vision Deployment Engine CD. You must purchase an IMAQ Vision Deployment license for each installation of the IMAQ Vision run-time engine, even if you install the IMAQ Vision run-time engine directly from the IMAQ Vision Deployment CD.

Purchasing IMAQ Vision Deployment Licenses

You must purchase an IMAQ Vision deployment license (NI part number 778044-00) for each target machine onto which you want to install your custom IMAQ Vision application. The IMAQ Vision Deployment Engine ships with one deployment license. Contact your National Instruments sales representative or visit ni.com to purchase additional deployment licenses.