Keops Installation Guide

1st Edition

April 2007

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Content

System Requirements

Before installing Keops, you must have the following:

Database Server

System Requirements:
- Microsoft Windows 2000; Windows Server 2003; or Windows XP
- At least 1GB of RAM
- At least 100 MB free disk space for Matisse DBMS
- At least 10 GB free disk space for the Keops Database

Acquisition Workstation

System Requirements:
- Microsoft Windows XP; or Windows Vista
- System component .NET Framework 2.0
- TCP/IP connection enabled to access the database server
- At least 1GB of RAM (2 GB recommended)
- At least 2.8GHz 32-bit Processor or 2.2GHz 64-bit Processor
- At least 50 MB free disk space for Keops
- At least 1 USB port
- At least one 1394 firewire connector
- At least one DB9 Serial port
- At least one available PCI 32-bit bus master expansion slot.
- A DirectDraw-compatible VGA card.

Consultation Workstation

System Requirements:
- Microsoft Windows XP; or Windows Vista
- System component .NET Framework 2.0
- TCP/IP connection enabled to access the database server
- At least 512B of RAM
- At least 50 MB free disk space for Keops

Installing Keops

Installing Keops consists in installing both a database server and at least one workstation.

> **NOTE:** **The database server and the workstation can be installed on the same machine if Keops is used in single-user mode.**

Database Server

In order to install Matisse server, please read the *Matisse Installation Guide for Windows*. You can find this and other Matisse documentation on the Matisse Software web site

http://www.matisse.com/developers/documentation/

Workstations

If you have a prior version of Keops installed, you need to close the Keops application and uninstall Keops before proceeding to the next step.

You must install the **.NET Framework version 2.0 Redistributable** Package prior to installing Keops. If it is not already installed on your computer, download the most recent Microsoft .NET Framework from Microsoft web site and proceed with the installation.

When the .NET 2.0 Framework is installed, double-click the program file for the Keops installer in the local directory where you downloaded it. The name of the file varies depending on the release: for release 1.0.0, it is `keops100.exe`.

Environment Variables

The installation program automatically adds the `%MATISSE_KEOPS_HOME%` System environment variable that contains the path to the installation directory (by default `C:\Program Files\MatisseLS\Keops`).

Installed files

The files are installed under the `[INSTALLDIR]` directory, which is by default `C:\Program Files\MatisseLS\Keops`

[INSTALLDIR]		
bin		Contains the executables and DLLs necessary to run the application
config		Contains configuration files defining the application settings
data		Default directory where the exported image and data files are saved
deviceDrivers		
	CanonEOS	Empty since the Canon EOS Series drivers are provided by the manufacturer
	FlashBus	Contains the Windows XP drivers for the FlashBus Spectrim video Board
	SonyFireWire	Contains the Windows XP drivers for the Sony 1394 digital video camera XCD SX710/X910CR Series
logs		Contains event log files recorded per user for each Keops session
manuals		Contains Keops documentation
migration		Contains script files for loading legacy data
schema		Contains Keops database schema script files

Setting up External Device Drivers

CAUTION: **This section is meant for the acquisition workstation only. You can skip this section entirely if you are installing Keops for consultation.**

External device drivers are installed only on the acquisition workstations, which are connected to media capture instruments. Identify the appropriate drivers for your configuration and proceed with the driver installation as described below.

Canon EOS Digital Camera

Keops supports the Canon EOS Digital SLRs with DIGIC II processors, starting with the EOS-1D Mark II and continuing through to the EOS Digital Rebel Xti.

Model	Supported
EOS D30	No
EOS D60	No
EOS-1D	No
EOS-1Ds	No
EOS 10D	No

EOS 300D/Digital Rebel	No
EOS-1D Mark II	Yes
EOS 20D	Yes
EOS-1Ds Mark II	Yes
EOS 350D/Digital Rebel XT	Yes
EOS 5D	Yes
EOS-1D Mark II N	Yes
EOS 30D	Yes
EOS 400D/Digital Rebel XTi	Yes

Table 1: EOS Digital SLR Compatibility

CAUTION: Matisse Software does not redistribute drivers for the EOS Digital SLRs. You must install the drivers provided by your equipment manufacturer or download the appropriate drivers from the Canon web site.

Drivers Installation:

Once you have selected the appropriate drivers for your camera, proceed as follows to complete the installation:

1. Verify that your workstation has one USB connector available

2. Install the Canon EOS Series drivers provided by the manufacturer

FlashBus Spectrim Video Board

Keops supports the FlashBus Spectrim product family, a high-performance, PCI bus-mastering video frame grabber designed to capture composite, S-Video, or RGB video in real time.

System Requirements:

- At least one available PCI 32-bit bus master expansion slot.
- A DirectDraw-compatible VGA card.

Installation consists of inserting the FlashBus Spectrim board in the computer and installing the display drivers.

Hardware installation:

To install FlashBus Spectrim, complete the following steps:

1. Verify that the jumper switches are set to activate the I/O trigger connector (Stereo Phono Female on the board)

Switch	JB1-1	JB1-2	JB1-3	JB1-4
TTL I/O	Closed	Open	Open	Closed

Table 2: Flashbus Spectrim Lite Jumper Settings

2. Turn off your computer and disconnect all attached equipments and the power cord. Remove the computer cover.

3. Firmly insert the FlashBus Spectrim board into an empty expansion slot inside your computer. Screw its bracket to the inside of the back of the computer.

4. Reassemble the computer. The connector should be accessible through the back of the computer.

5. Turn on the computer and begin the software installation.

Drivers Installation:

To install the drivers, complete the following steps:

1. Verify that your workstation has one FlashBus Spectrim board installed.

2. Go to the `[INSTALLDIR]\deviceDrivers\FlashBus` directory.

3. Right-click on the `SpectrimXP.inf` file and execute the install command.

Sony 1394 Digital Video Camera

Keops supports the Sony 1394 "FireWire" digital video cameras (Color models only) including the XCD-SX910CR/X710CR series.

Drivers Installation:

Only the drivers for the Sony XCD-SX910CR/X710CR digital video cameras are provided.

NOTE: If you have already plugged the Sony 1394 cameara, go to Control Panel > System > Hardware > Device Manager and uninstall the imaging device

To install the drivers, complete the following steps:

1. Verify that your workstation has one 1394 'FireWire' connector available.

2. Go to the `[INSTALLDIR]\deviceDrivers\SonyFireWire` directory.

3. *Before* connecting the Sony 1394 camera to the computer, run the `install.bat` program file to install the driver's file.

4. Plug the Sony 1394 camera into the computer and the "`Found New Hardware Wizard`" dialog window appears. Select "`Display a list of the known driver`" and click `Next`

5. When running on Windows XP it is asked to choose the search option. Choose don't search and click `Next`

6. Click on the `Have Disk` button and browse to the `[INSTALLDIR]\deviceDrivers\SonyFireWire` folder. Click `OK` then `Next`. At this point you could get a message saying that the driver is not digitally signed, click `Next` to complete the installation.

7. The driver is installed. Click on `Finish` to quit the Installation wizard.

8. Reboot the machine and the camera is now ready.

NOTE: **the** `uninstall.bat` **program file allows you to uninstall the Sony drivers.**

After You Have Installed Keops

After you have installed Keops, please read the *Keops User Guide* to complete the setup.

Uninstalling Keops

To uninstall Keops, select **Add/Remove Programs** from the **Control Panel** window. This brings up a window where you can select *Matisse Keops* and press `Change/Remove` button. Uninstalling Keops does not remove your data files, configuration files, or log files.