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Section

Install QSI Software & Drivers

NOTE: The USB drivers and associated software included on the installation CD must be installed before connecting the QSI camera to your computer. If you wish to use the camera with multiple computers, the USB camera driver and software installation must be completed on each computer.

Do not connect your camera to your computer until instructed to do so in the camera software installation process.

System requirements:

- Pentium compatible PC running Windows 7, Windows Vista, Windows® XP SP2 or above.
- Available USB 2.0 or USB 1.1 port
- 1 GB recommended (256 MB minimum)
- 20 MB disk space for installation
- 1024x768 display recommended (800x600 minimum),
 24-bit color recommended (8-bit minimum for monochrome images only)
- CD-ROM drive
- Internet Explorer 6 or higher to display Help

If you choose to use your existing copy of MaxIm DL, it must be revision 4.56 or higher.

If you choose to use Software Bisque CCDSoft, it must be revision 5.00.175 or above.

Run the QSI Installer

Start your computer and login as a user with Administrator rights.

Insert the QSI Installation CD into the CD-ROM drive on your computer. The QSI Camera Installation program should auto-run and display the installation menu.

Note: Windows 7 and Vista users -

Windows 7 and Vista have additional security measures to reduce the chances for drivers or software to be installed without your express permission. Please see the "Quick Start Guide" enclosed with your camera or on the installation CD for additional details.

If User Account Control (UAC) is enabled on your computer you may see additional dialog boxes confirming that you wish to install the software. If you see any User Account Control dialog boxes, click "OK" or "Continue" as necessary to allow the installer to run.

Note: If you have an older system that does not have the ATL 3.0 library DLL (from Microsoft) installed, you will be prompted to install it prior to seeing the menu below. ATL 3.0 is a shared system library the installer uses to install the software on your system. It is a standard Windows DLL and is included on the QSI Installation CD for your convenience.

If the installation program does not auto-run, run the program "Menu.exe" in the root directory of the CDROM to launch the installer.

Install the QSI camera software on to your system. Click "**Install Drivers and Plug-ins**" to go to the installation menu.



Click "Install Camera Software and Drivers" to begin the setup of the QSI drivers and support software.

	Required Components
	Install Camera Software And Drivers
	Optional Components
	Install MaxIm LE
tall the QSI camera software, documentation, I USB driver files to your hard drive in paration for installing your camera.	Install MaxIm QSI Plug-In
ou must perform this step before connecting	Install CCDSoft QSI Plug-In
	Install AstroArt QSI Plug-In
	Install Adobe Acrobat Reader
	Other Software Options
	Main Menu

🛃 QSI Camera Software - InstallShield Wizard

The QSI Camera Software setup program starts. Click "Next".

Camera Software
The InstallShield(R) Wizard will install QSI Camera Software on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.

< <u>B</u>ack

Welcome to the InstallShield Wizard for QSI

<u>N</u>ext >

Cancel

Sector Sector

You must agree to the
license agreement to
proceed with the
installation. Click on the
radio button next to "I
Accept" and then click
"Next".

Please read the following license a	agreement carefully.		a second
	· · · ·		
END-USER LICENSE AGREEMENT F IMPORTANT-READ CAREFULLY:	OR QUANTUM SCIENTIFIC	IMAGING SOF	FTWARE
This End-User License Agreement (" individual or a single entity) and Quar	"EULA") is a legal agreemen ntum Scientific Imaging, Inc.	t between you (QSI) for the Q	(either an ISI software
that accompanies this EULA, which i services ("Software"). An amendm Software. YOU AGREE TO BE BOUL COPYING, OR USING THE SOFTWAR USE THE SOFTWARE; YOU MAY RE REFUND, IF APPLICABLE.	includes associated media a ent or addendum to this EUL ND BY THE TERMS OF THIS RE. IF YOU DO NOT AGREE TURN IT TO YOUR PLACE C	and QSI Internet A may accomp EULA BY INST , DO NOT INST) OF PURCHASE I	t-based bany the FALLING, ALL, COPY, OR FOR A FULL
that accompanies this EULA, which is services ("Software"). An amendme Software. YOU AGREE TO BE BOUL COPYING, OR USING THE SOFTWARE USE THE SOFTWARE; YOU MAY RE REFUND, IF APPLICABLE. I accept the terms in the license at I do not accept the terms in the license.	includes associated media e ent or addendum to this EUL ND BY THE TERMS OF THIS RE. IF YOU DO NOT AGREE TURN IT TO YOUR PLACE O greement sense agreement	and QSI Internet A may accomp EULA BY INST , DO NOT INST , DO NOT INST F PURCHASE I	t-based vany the FALLING, ALL, COPY, OR FOR A FULL <u>Print</u>

Enter your name and organization. Select either the "Anyone who users this computer" (recommended) or "Only for me" then click " Next ".	QSI Camera Software - InstallShield Wizard Customer Information Please enter your information. User Name: QSI Customer Qrganization:
	InstallShield < <u>Back Next > Cancel</u>
Click " Install " to begin the software installation.	QSI Camera Software - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. This may take a long time if you have previous installations of this software. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. Current Settings: Setup Type: Typical Destination Folder: C: (Program Files (x86)\QSI\ User Information: Name: QSI Customer Company:
If Windows is configured to provide a warning about unsigned drivers (the default Windows behavior), you will see a dialog similar to the one to the right:	User Account Control Do you want to allow the following program from an unknown publisher to make changes to this computer? Program name: UACApplication.exe Publisher: Unknown
Click "Yes" or "Continue	The origin. That drive on this computer

Anyway" to proceed with the driver installation. If you have turned off unsigned driver warnings, you will not see this dialog.





On earlier versions of the installer a green check mark may be displayed next to "Install Camera Software" indicating that you have completed this step.



Continue with Section 2 Connect Your Camera.

Section

Connect Your Camera

This section describes the Plug and Play installation of your QSI camera when running Windows 7, Vista or XP. Dialog boxes and screen shots may look different depending on your version of Windows. See **Appendix A** for Windows 2000 instructions.

Windows 7, Vista or XP Installation

The Found New Hardware Wizard should be used to install drivers for your QSI Camera when it is connected to your computer for the first time.

Note: You must install the QSI camera software as shown in Section 1 Install QSI Software & Drivers before proceeding with this section.

Note: Refer to the QSI 500/600 Series User Guide for complete instructions on connecting your camera to your telescope.

Attach the power supply to the camera

The camera will power up and run its internal diagnostics. When the camera completes its startup process, the status LED on the back of the camera will flash green.

Connect the camera to an unused USB port on your computer

Windows will detect the camera and display the Found New Hardware alert along the Task Bar near the bottom of your display.





The Windows Found New Hardware Wizard will start and may ask if you want to connect to Windows Update. Click "No, not this time" and then Click "Next".





Click "Install the software automatically" and then click "Next".

If Windows is configured to provide a warning about unsigned drivers (the default Windows behavior), you will see a dialog box similar to the one to the right.

Click "Yes" or "Continue Anyway"

Hardware Installation



QSI 500 Series Camera

has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

Continue Anyway STOP Installation

	Found New Hardware Wizard			
	Please wait while the wizard installs the software			
Windows installs the QSI 500/600 Series Camera	QSI 500 Series Camera			
	Setting a system restore point and backing up old files in case your system needs to be restored in the future.			
	< <u>B</u> ack <u>N</u> ext > Cancel			
When the installation process completes, click " Finish ".	Found New Hardware Wizard Completing the Found New Hardware Wizard The wizard has finished installing the software for: Image: Completing the software for:			
	< Back Finish Cancel			

Once the installation is complete, the status LED on the back of the camera should show a steady green indication. The camera is now ready for use. Proceed with the following sections to install any addition software you wish to use.

Section

Install MaxIm

Run the MaxIm LE Installer

If you purchased a license for MaxIm LE to control your QSI camera, click "Install MaxIm LE" and follow the MaxIm setup dialogs to complete the MaxIm LE installation. After you complete the MaxIm LE installation, proceed to the MaxIm plug-in installation.



Install MaxIm QSI Plug-in (all versions)

Once you have completed the installation of MaxIm LE, or if you already have MaxIm DL installed, you must now install the MaxIm QSI plug-in to allow MaxIm to communicate with your QSI Camera.

Note: If you have multiple installations of MaxIm, the plug-in must be installed separately for each MaxIm installation. The installer for the MaxIm DL plug-in will try to locate and automatically install the plug-in for all versions installed on your computer, but if you have installed MaxIm in a non-standard location, the Installer may not be able to find some of the MaxIm installation directories. Choose the appropriate folder for each MaxIm installation.

QSI 500 SERIES INSTALLATION GUIDE

Click "Install MaxIm QSI **Plug-In**" to begin the plug-in installation





The QSI MaxIm Plug-in setup dialog will be displayed. Click "Next".

plug-in.

"Next".

🛃 QSI MaxIm Plugin - InstallShield Wizard License Agreement Please read the following license agreement carefully. END-USER LICENSE AGREEMENT FOR QUANTUM SCIENTIFIC IMAGING SOFTWARE You must agree to the IMPORTANT-READ CAREFULLY: license terms to install the This End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Quantum Scientific Imaging, Inc. (QSI) for the QSI software that accompanies this EULA, which includes associated media and QSI Internet-based services ("Software"). An amendment or addendum to this EULA may accompany the Software. YOU AGREE TO BE BOUND BY THE TERMS OF THIS EULA BY INSTALLING, COPYING, OR USING THE SOFTWARE. IF YOU DO NOT AGREE, DO NOT INSTALL, COPY, OR Click the radio button next to USE THE SOFTWARE; YOU MAY RETURN IT TO YOUR PLACE OF PURCHASE FOR A FULL "I Accept..." and then click REFUND, IF APPLICABLE. I accept the terms in the license agreement Print I do not accept the terms in the license agreement stallShield < Back Next > Cancel

	🗒 QSI MaxIm Plugin - InstallShield Wizard
Enter your name and organization. Select either the "Anyone who users this computer" (recommended) or "Only for me" then click " Next ".	Customer Information Please enter your information. User Name: QSI Customer Organization: InstallShield InstallShield <
Select the folder(s) where MaxIm is installed.	Use I MaxIm Plugin - InstallShield Wizard Locate the MaxIm Application Folder (plugin will be loaded here) Click Next to install to this folder, or click Change to install to a different folder.
If you have MaxIm LE, MaxIm DL v4 and/or MaxIm DL v5 installed, the installer will try to identify and install the plug-in for each version automatically.	Install QSI MaxIm Plugin to: MaxIm was found in the following locations. Check each box to select where the plug-in will be installed. MaxIm V4 MaxIm V5 MaxIm LE
If you wish to install the plug-in in a custom location click "Change" otherwise click " Next ".	Custom Location C: \Program Files (x86)\Diffraction Limited\MaxIm LE\ Change InstallShield
Click " Install " to install the MaxIm plug-in.	QSI MaxIm Plugin - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. InstallShield



When the installation completes click "Finish".

You will be returned to the Install QSI Camera Software and Drivers Installation window.



Unless you wish to install the QSI camera plug-in for CCDSoft, AstroArt or Adobe Acrobat Reader, you're done. Click "**Main Menu**" to return to the main installer screen and then click "**Exit**" to exit the installer.

Continue with the Getting Started section in the QSI 500/600 Series User Guide. Open the User Guide by clicking the Windows Start button and select Programs > QSI > 500/600 Series User Guide

To install optional software, continue with Section 4 Install Optional Software.



Install Optional Software

Install the Software Bisque CCDSoft Plug-in

Note: If you have multiple installations of CCDSoft, you must install the plug-in separately for each CCDSoft installation, choosing the appropriate installation folder for each CCDSoft installation.



	🕼 CCDSoft QSI Plug-In - InstallShield Wizard	×
	License Agreement Please read the following license agreement carefully.	
You must agree to the license terms to install the	END-USER LICENSE AGREEMENT FOR QUANTUM SCIENTIFIC IMAGING SOFTWARE IMPORTANT-READ CAREFULLY:	
plug-in. Click the radio button next to "I Accept…" and then click " Next ".	This End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Quantum Scientific Imaging, Inc. (QSI) for the QSI software that accompanies this EULA, which includes associated media and QSI Internet-based services ("Software"). An amendment or	
	I accept the terms in the license agreement I do not accept the terms in the license agreement InstallShield Cancel Cancel)
	🛃 CCDSoft QSI Plug-In - InstallShield Wizard	×
	Customer Information Please enter your information.	
Enter your name and	User Name: QSI User Organization:	
the "Anyone who users this computer" (recommended)	Open Skys Observatory	
" Next ".	Install this application for: Anyone who uses this computer (all users) Only for me (David Challis)	
	InstallShield < Back Next > Cancel	_]
	i CCDSoft QSI Plug-In - InstallShield Wizard	
	CCDSoft Installation Folder Click Next to install to this CCDSoft installation, or click Change to install to a different folder.	
Select the folder where CCDSoft is installed. The	Install CCDSoft QSI Plug-In to the plug in folders contained in: C:\Program Files\Software Bisque\CCDSoft Version 5\ Change)
installer should display the correct folder. If you wish to change this folder click		
"Change…" otherwise click " Next ".		
	InstallShield < Back Cancel	1

QSI 500 SERIES INSTALLATION GUIDE

	🖟 CCDSoft QSI Plug-In - InstallShield Wizard
	Ready to Install the Program The wizard is ready to begin installation.
	If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. Current Settings:
Click " Install " to begin the installation.	Setur Jone Security: Setur Typical Destination Folder: C:\Program Files\Software Bisque\CCDSoft Version 5\ User Information: Name: QSI User Company: Open Skys Observatory InstallShield < Back Install Cancel

	🙀 QSI Maxim Plugin - Insi	tallShield Wizard 🛛 🕅
	E.	InstallShield Wizard Completed
When the installation completes click " Finish ".		The InstallShield Wizard has successfully installed QSI MaxIm Plugin. Click Finish to exit the wizard.
		< Back Finish Cancel

Install AstroArt Plug-in

If you wish to install the optional AstroArt Plug-in, return to the Install QSI 500 Series Camera Software window. Click "**Install AstroArt QSI Plug-in**" Follow the on-screen instructions.

Install Acrobat Reader

If you wish to install the optional Adobe Acrobat Reader, return to the Install QSI 500 Series Camera Software window. Click "Install Acrobat Reader" Follow the on-screen instructions.

Other Software Options

Other software options are available on the QSI web site. Click "Other Software Options" to open a browser window and go to the QSI Software page.

Installation Complete

Congratulations! You've successfully installed your QSI camera. Click "Main Menu" to return to the main installer screen and then click "Exit" to exit the installer.

Continue with the Getting Started section in the QSI 500/600 Series User Guide. Open the User Guide by clicking the Windows Start button and select Programs > QSI > 500/600 Series User Guide

Appendix A

Windows 2000 Installation (Obsolete)

Note: Windows 2000 is no longer supported by QSI. Microsoft ended support for Windows 2000 in July, 2010. The following section is maintained in this manual only for compatibility with earlier software releases

Under Windows 2000, the Found New Hardware Wizard should be used to install the camera when it is connected to your computer for the first time.

Note: You must install the QSI camera software as shown in Section 1 Install QSI Software & Drivers before proceeding with this section.

Installing QSI USB Drivers

After installing the QSI camera software, connect the camera to an open USB port on your computer.



Windows will launch the Found New Hardware Wizard. The driver will be installed with no further user action required

Appendix B

Troubleshooting

Windows displays an error and then terminates installation

If the following dialog box is displayed, your version of Windows has been configured to block the installation of any drivers that are not WHQL certified.

😵 User Account Control
Do you want to allow the following program from an unknown publisher to make changes to this computer?
Program name: UACApplication.exe Publisher: Unknown File origin: Hard drive on this computer
Show details
Change when these notifications appea
The software you are installing for this hardware: QSI 500 Series Camera has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway

Click "Yes" or "Continue Anyway" to proceed with the installation. To change the current driver signing setting, go to "Control Panel > System", click the "Hardware" tab and then click "Driver Signing". Click "Warn..." or "Ignore..." and then click "**OK**". The installation will now be able to complete normally.

Can't connect to the QSI camera after installing on Windows Vista and Windows 7

The QSI installer must be run with Administrator rights. Windows 7 and Vista have additional security measures to reduce the chances for drivers or software to be installed without your express permission. Even if logged in as a user with Administrator privileges, programs may not automatically run with Administrator rights. If you can't communicate with your QSI camera after installing on Vista, uninstall the drivers, and rerun the Installer by opening the root directory of the QSI release CD, right-click on the file "Menu.exe" and select, "Run as Administrator" from the pop-up menu. Then follow the standard installation instructions.

Technical support

Most technical support questions can be answered 24 hours a day using the support section of the QSI web site at <u>http://www.qsimaging.com/support.html</u>. There you will find online help and instruction manuals, technical articles and a searchable knowledge base with answers to common questions. If you can't find the answer to your question on our web site please contact QSI technical support at shown below. Email is preferred.

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