

VIDAR® Film Digitizer Driver

Version: 2.0, 2/4/2004

i. Introduction

VIDAR Film Digitizer Driver is designed to provide compatibility between VIDAR film digitizers and Microsoft® Windows® 2000 and XP. The driver takes advantage of Microsoft's Still Image Architecture (STI) for digital imaging devices. STI supports a number of OS enhancements. This support includes:

- Installation/Setup Wizard - provides easy and consistent installation
- Scanner and Cameras control panel - provides the user with a common interface for still image devices
- Provides a standard programming interface for SCSI and USB imaging devices

ii. What's New

Changes from version 1.0.1.0:

- I. Version 2.0 adds USB 2.0 functionality. At this time, the DiagnosticPRO Advantage, DosimetryPRO Advantage and CAD PRO Advantage are the only VIDAR film digitizers that are USB 2.0 and SCSI compatible. All other VIDAR film digitizers are SCSI only.
- II. To allow VIDAR Toolkit based applications to take advantage of the new driver, a new Vscsi32.dll (ver. 4.1) has been created. Most applications will not need a recompile to use this new .dll. See the VIDAR Medical Film Digitizer Toolkit documentation for more information.

Changes from version 1.0.0.3:

- III. The STI functions RawReadData() and RawWriteData() will now return the communications timeout message STI_NOTCONNECTED. Note, the SCSI Toolkit's Level 1 function doSCSIop now captures this message and reports a L1_COM_TOUT to some Level 2 and Level 3 functions. See the VIDAR SCSI Toolkit documentation for more information.
- IV. Removed the unused Events property page from the Scanner and Cameras Control Panel.

iii. Known Issues

- I. If there is another USB scanning device, like a flatbed scanner or a second film digitizer, connected to a host computer running Windows XP, the host won't recognize both devices. Only connect one device at a time. (Please review Microsoft Knowledge Base article ID 324756 at <http://support.microsoft.com> for more information.)
- II. VIDAR Advantage film digitizer's do not support USB 1.1. If you connect a digitizer to a 1.1 port, the host computer might appear to recognize it but, it won't scan properly. Only connect an Advantage to a USB 2.0 port. To determine if your computer has USB 2.0 ports, refer to your computer's documentation or contact the manufacture.

I. OS Requirements

Microsoft Windows 2000 Professional (with SP4 recommend for USB 2.0)

Microsoft Windows XP Professional (with SP1 or greater recommend for USB 2.0)

II. Film Digitizers Supported

VXR-12
TeleRadPRO
TeleRadPRO plus
VXR-16
DiagnosticPRO
DosimetryPRO
MammographyPRO
Sierra
Sierra plus
DiagnosticPRO plus - M
DiagnosticPRO Advantage
DosimetryPRO Advantage
CAD PRO Advantage

III. Installation

1. System Requirements
 - a. Host Computer with an available USB 2.0 port or a SCSI adaptor.
 - b. Windows 2000 Professional (with Service Pack 4 for USB 2.0) or Windows XP Professional (with Service Pack 1 or greater for USB 2.0)
 - c. VIDAR Software CD
2. First Time Installation
 - a. Ensure that the digitizer is disconnected from the host computer and turned off.
 - b. Turn on the host computer.
 - c. Insert the installation CD, from the VIDAR menu select "Install Software", select "Install Digitizer Driver", and follow the on-screen installation instructions.
3. Updating Drivers
 - a. Ensure that the digitizer is disconnected from the host computer and turned off.
 - b. Turn on the host computer.
 - c. Insert the installation CD, from the VIDAR menu select "Install Software", select "Install Digitizer Driver", and follow the on-screen installation instructions.
4. Uninstalling
 - a. Go to the Control Panel and select "Add or Remove Programs".
 - b. From the list, select "VIDAR Film Digitizer Driver".
 - c. From the VIDAR driver menu, select "Remove" and follow the on-screen instructions. Note this removes all driver files. The driver will have to be reinstalled using the procedure in section 2 to run the digitizer again.
5. Repairing
 - a. Go to the Control Panel and select "Add or Remove Programs".
 - b. From the list, select "VIDAR Film Digitizer Driver".
 - c. From the VIDAR driver menu, select "Repair" and follow the on-screen instructions. This operation will attempt to copy the driver files (Vidarusd.dll and Vidarcpl.cpl) into the System32 folder and update the oem?.pnf file with the path to them. This should fix common user related problems like accidentally deleted files driver files. If Repair doesn't work, uninstall using the procedure in section 4 and reinstall using section 2 are the next steps to try.

IV. Contact Information

VIDAR Systems Corporation
365 Herndon Parkway
Herndon, Virginia 20170 USA
Phone: +1.703.471.7070
Toll Free: 800.471.7226
Fax: +1.703.471.1165
medtech@vidar.com
<http://www.filmdigitizer.com>

V. Copyright

© 2002-2005 VIDAR Systems Corporation
All rights reserved.

VI. Trademarks

VIDAR is a registered trademark of VIDAR Systems Corporation.
All other trademarks are the property of their respective owners.