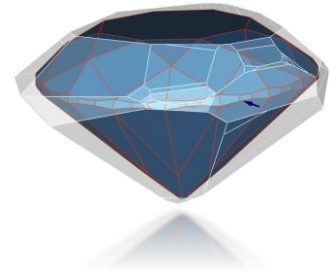




Aug 2014



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1 Preface

This Document is intended for Technical, Support or IT engineer.

It concerns new, need to know, features and information concerning Instructor™ 3.1 support.

For other documents, please review below:

- Instructor™ 3.1 Release Notes
- Instructor™ 3.1 Installation Guide
- Axiom calibration Technical guide
- <http://www.youtube.com/user/SarinTechnologiesLtd/videos>

2 Operating System

Supported Operating Systems:

- Instructor™ 3.1 only supports **Windows 7 32/64 bit** operation system.
- **Instructor™ 3.1 does not Support Win XP Operating System**

3 Hardware Support

3.1 Officially supported Sarine machines:

Instructor™ 3.1 supports the following Sarine machines:

- ✓ **DiaMension™ AXIOM** *NEW*
- ✓ **DiaScan S+™**
- ✓ **DiaExpert™**
- ✓ **DiaExpert-Eye™**
- ✓ **DiaMobile XL™**
- ✓ **DiaMension™ HD**
- ✓ **Domino (Melody) cards Machine (Lab Edition™ ML)** - See [Domino Official support](#) section

It is highly recommended for users to only work with these machines.

3.2 Unsupported Sarine machines:

Instructor™ 3.1 does not support the following Sarine machines:

- ✗ **DiaExpert-XL™**
- ✗ **DiaMension™ (Metror2 grabber, old systems)**

3.3 AXIOM Hardware requirements

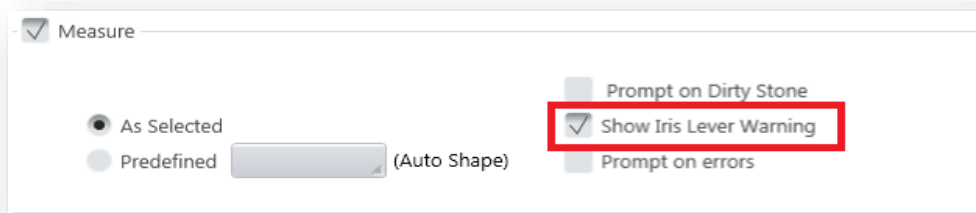
- Intel® Core i7 processor
- Memory: 8 GB DDR3 1333 MHz
- At least 2 available USB 2.0 ports
- 1 available PCI Express slot (1xFirewire, note- that PCIe slot is additional to the Graphic card slot)
- Graphic Card: GEFORCE GT630 with 1024MB memory
- Display monitor that supports 1280x1024 Resolution or higher
- Microsoft Windows® 7 Professional / Ultimate Edition 32\64 Bit

3.4 Iris Level warning:

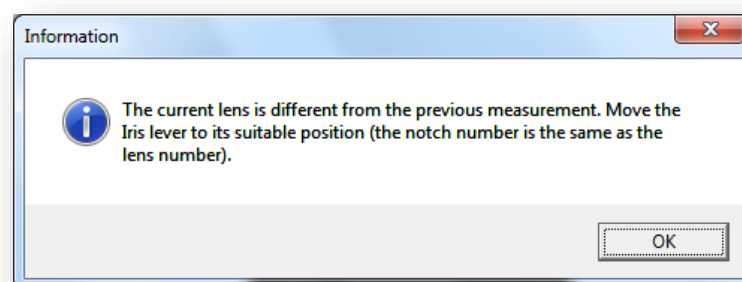
Whenever HD (HW) lens didn't match the IRIS level
>> user error dialog was prompt the user.

UI - Application

New Check box is present for **Show Iris Lever warning** under the **Automation Panel**.



Every new operating of the app if the **Show Iris Lever warning** is checked, And in case the lens is different than the Iris lever, and user clicking on Start measure (By Automation), Warning message will appear -



User need to do –

- Set the Iris Lever to its proper position (Similar to lens)
- Click on "OK" to above Message

After above steps done correctly, measure will proceed properly. Next time the warning will appear before measure **only when Lens gets changed**.

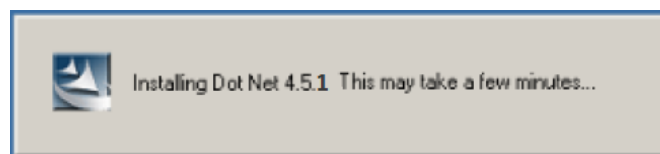
4 Software Support

4.1 New Installments

4.1.1 Microsoft Dot.Net 4.5.1

The Installation will install New Dot Net during Installation –

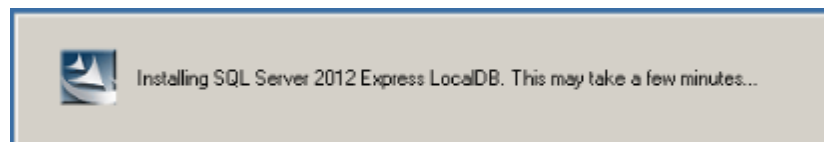
After language Selection when you click on Next following Message appears –



4.1.2 Microsoft SQL Server 2012 Express LocalDB

The Installation will install Microsoft SQL Server 2012 Express LocalDB

As soon as installation of Dot Net Completed, following message appears -



**Note – Instructor™ 3.1 new database infrastructure was replaced and does NOT support previous databases files (from Instructor™ 2.6 or 3.0). this means, no automatic database migration from previous version to Instructor™ 3.1*

4.2 XCaliber support

- Axiom machines will be installed with XCaliber 2.6 (Axiom Compatibility).
- Other machines will be installed with XCaliber 2.5.

4.3 New Accessors

Junctions can now be EXPORTED. There are 4 optional suffixes to the Pointing Accessors. And user can use the BELT index or the BELT name, in the following structure:

[polish.splits.[*beltname*].split.1.analysis] or [polish.splits.[*beltnumber*].split.1.analysis]

ACCESSOR Example	Meaning
polish.splits.1.split.1.mic	returns the junction size in microns
polish.splits.1.split.1.perc	returns relative junction size in % (divided by avg diameter)
polish.splits. Bezel.split.1.grade	N/A, to be implemented
polish.splits.2.split.1.analysis	returns if the AXIOM in-light analysis was successful y/n

See all examples in the [Appendix](#) section.

4.4 Database

A new Database infrastructure is now integrated with Instructor™ 3.1.

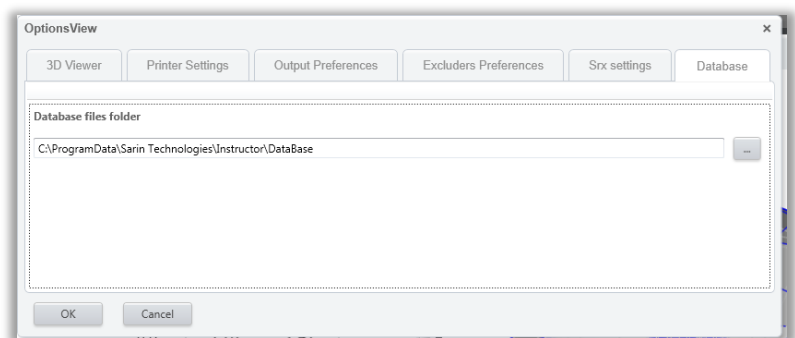
**Note the new database does not support backwards to old databases form Instructor™ 2.6 or Instructor™ 3.0 Therefore old database files cannot be migrated automatically (only manually).*

4.4.1 Database location - Saved information path

The new database file path can be controlled form the application, see 'Settings' menu >> Options >> database (see image).

It is recommended not to touch this database location (file path).

(Only in cases where local storage (hard drive) is limited, than database can be placed in a different drive)

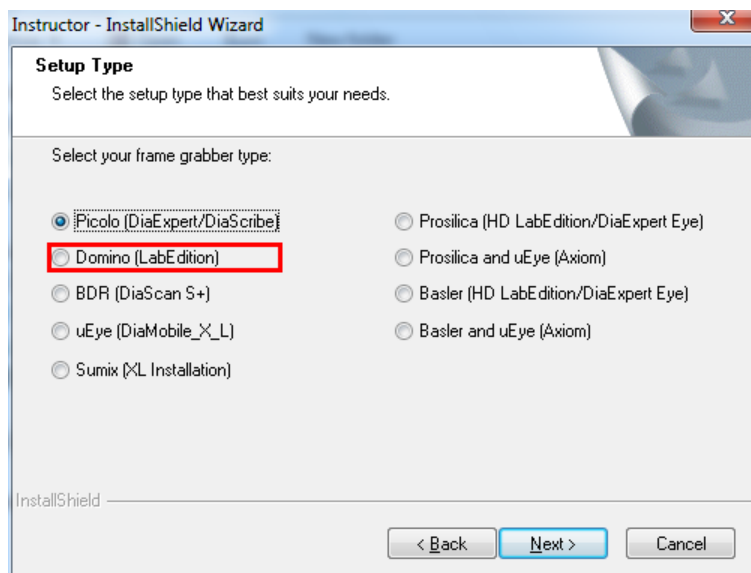


5 DiaMension™ Lab edition - Domino card support

5.1 Domino Support on installation

Domino camera is now officially supported by Sarine Technologies.

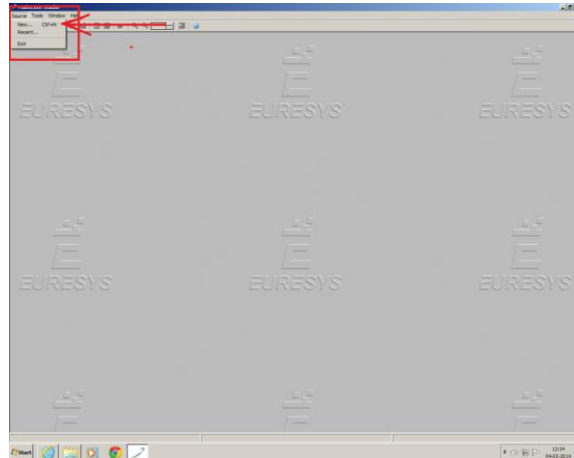
As such, installation was updated to identify the card automatically and begin its installation procedure, which is essentially identical to the PicoLo frame grabber's installation. The Camera type was added to the list of selectable frame grabber types:



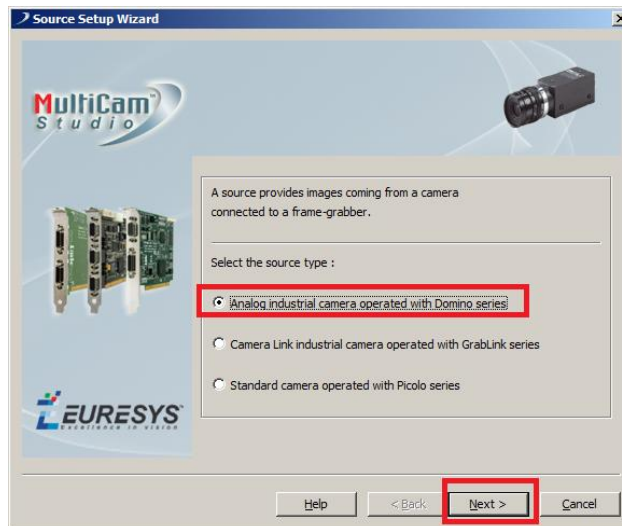
5.2 Domino Frame Grabber

To watch the Video (Camera) from frame grabber, do as directed below–

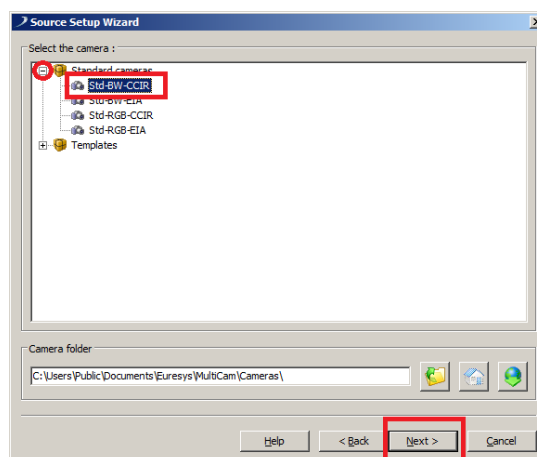
1. From the Installation of Instructor 3.1 CD, go to **Utils\Support\FRAMEGRABBER Testers\PicoLo**
2. Click on MultiCamStudio.exe



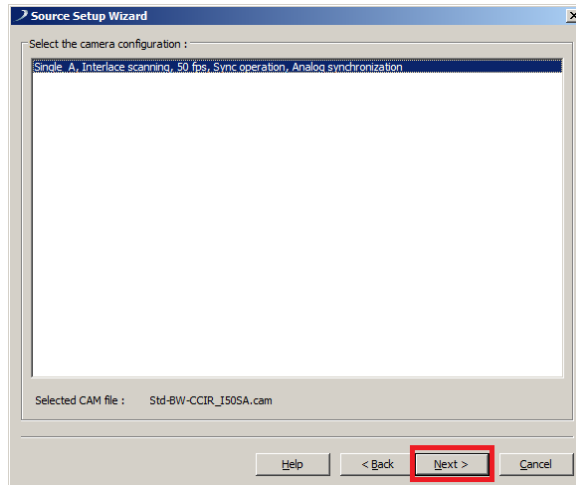
3. Go to **Source >> New**



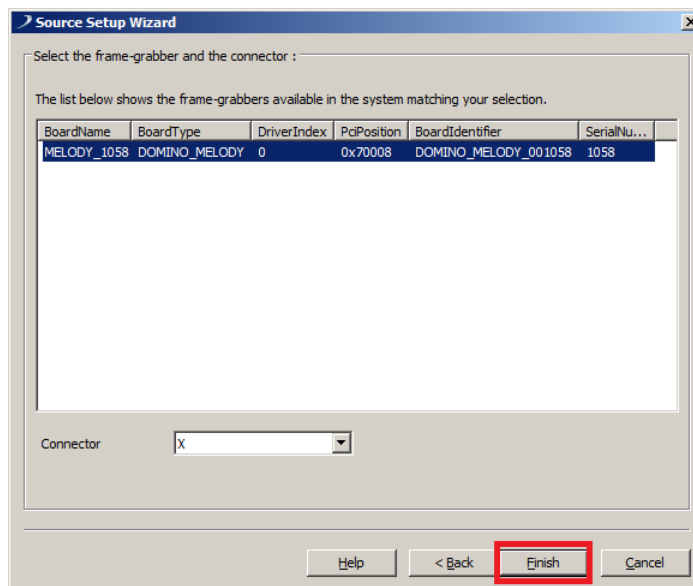
4. Select...**Domino Series** and Click on **Next...**



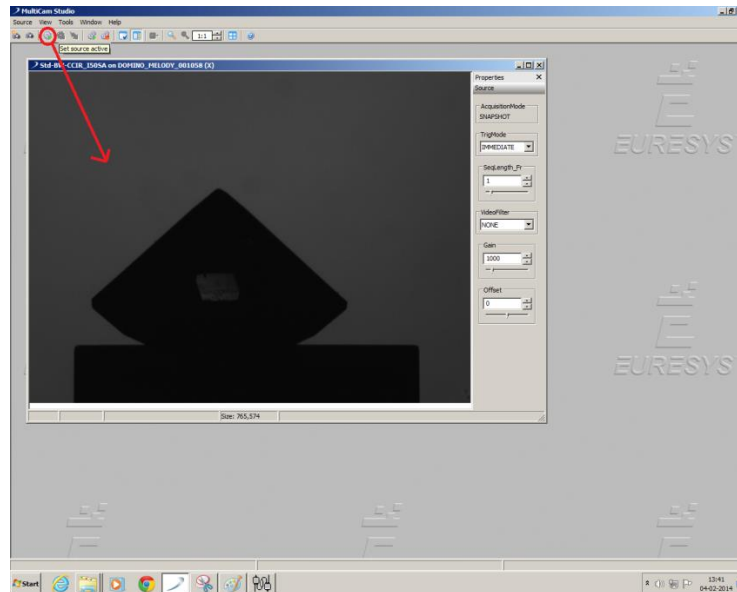
5. Now Expand the “+” of **Standard Camera**, Select First Options and Click on **Next...**



6. To continue Click on **Next...**



7. For further proceeds Click on **Finish...**
8. Now Click on **Set Source Active** from Tool Bar

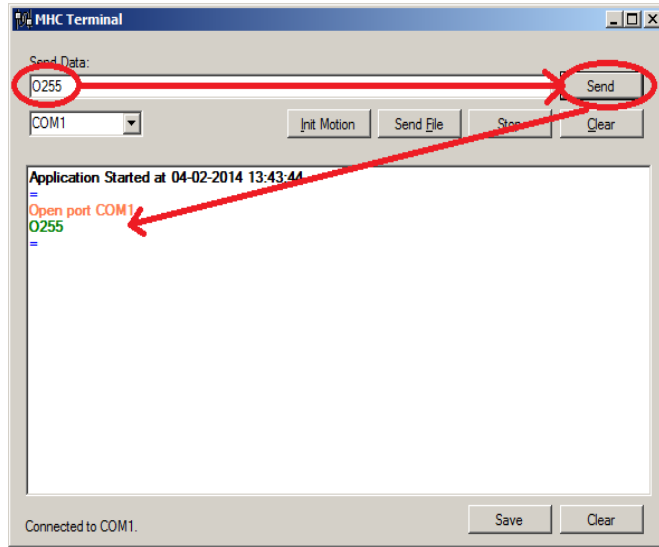


9. The Video appears on Screen as soon as Click on **Set Source Active** button...
10. To see more clear video go to root of the installed Sarine Application

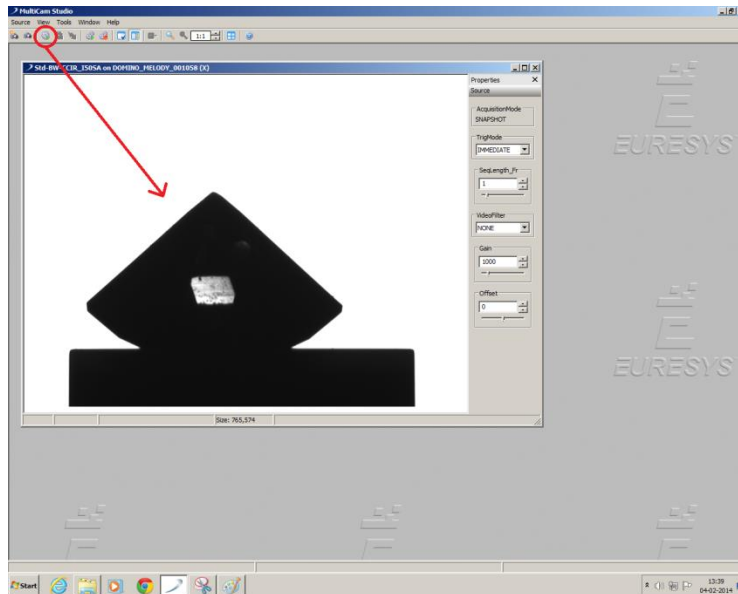
i.e. **C:\Program Files (x86)\Sarin Technologies\Instructor2.6** & click on **MHCTerminal.exe**

lsprst.dll	03-04-2005 11:51	Application extension	1 KB
MarkerRes.dll	15-05-2012 11:03	Application extension	258 KB
MHCTerminal	29-03-2012 19:11	Application	23 KB
PolishViewer.dll	27-01-2011 15:28	Application extension	9,178 KB
PricingRes.dll	15-05-2012 11:03	Application extension	19 KB

11. MHC Terminal Dialog Gets Open, Now Write O255 and click on Send –



12. Now Go to Frame Grabber Screen and Observe the Video –



6 Appendix A – new Accessors

1.1 New Junctions Accessors

1.1.1 Table

[polish.splits.1.split.1.analysis]

[polish.splits.1.split.2.analysis]

[polish.splits.1.split.3.analysis]

[polish.splits.1.split.4.analysis]

[polish.splits.1.split.5.analysis]

[polish.splits.1.split.6.analysis]

[polish.splits.1.split.7.analysis]

[polish.splits.1.split.8.analysis]

1.1.2 Crown-Girdle

[polish.splits.2.split.1.analysis] or [polish.splits.**Crown-Girdle**.split.1.analysis]

[polish.splits.2.split.2.analysis] or [polish.splits.Crown-Girdle.split.2.analysis]

[polish.splits.2.split.3.analysis] or [polish.splits.Crown-Girdle.split.3.analysis]

[polish.splits.2.split.4.analysis] or [polish.splits.Crown-Girdle.split.4.analysis]

[polish.splits.2.split.5.analysis] or [polish.splits.Crown-Girdle.split.5.analysis]

[polish.splits.2.split.6.analysis] or [polish.splits.Crown-Girdle.split.6.analysis]

[polish.splits.2.split.7.analysis] or [polish.splits.Crown-Girdle.split.7.analysis]

[polish.splits.2.split.8.analysis] or [polish.splits.Crown-Girdle.split.8.analysis]

1.1.3 Pavilion-Girdle

[polish.splits.3.split.1.analysis] or [polish.splits.Pavilion-Girdle.split.1.analysis]

[polish.splits.3.split.2.analysis] or [polish.splits.Pavilion-Girdle.split.2.analysis]

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[polish.splits.3.split.8.analysis] or [polish.splits.Pavilion-Girdle.split.8.analysis]

1.1.4 Bezel Mains

[polish.splits.4.split.1.analysis] or [polish.splits.Bezel.split.1.analysis]

[polish.splits.4.split.2.analysis] or [polish.splits.Bezel.split.2.analysis]

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[polish.splits.4.split.8.analysis] or [polish.splits.Bezel.split.8.analysis]

1.1.5 Pavilion-Main

[polish.splits.5.split.1.analysis] or [polish.splits.Pavilion-Main.split.1.analysis]

[polish.splits.5.split.2.analysis] or [polish.splits.Pavilion-Main.split.2.analysis]

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[polish.splits.5.split.8.analysis] or [polish.splits.Pavilion-Main.split.8.analysis]