# **EyeRIS Manual**



## Index

1. Installation	3
2. Installation of Visual Touch driver	13
3. Positioning	15
4. EyeRIS Operation	16

### Installation

- Step 1: Browse the IntelliSpace CD, either right-click and autorun, or alternately browse the CD and run EyeRIS\_IntelliSpace\_Master\_Installer\_4160/ 5090.
- Step 2: Once the installation begins you will see the following screen, click "Next" to proceed.



**Step 3:** Click on "Typical" installation



Step 4: Please enter the location on the system where the EyeRIS IntelliSpace should be installed, by default it is installed in the program Files/ Cybernetyx Interaktiv UG folder.



Step 5: Click on install to begin the installation.



Step 6: After IntelliSpace Installation completes, immediately you'll see the screen given below, click next to begin installing IntelliSpace prerequisites.



**Step 7:** Click on I accept terms in license agreement and click Next.





Step 8: After finishing installation for WMEncoder for 32bit Windows OS, It will automatically start installing WMEncoder for 64bit Windows OS (It will happen only if Windows 7 64bit is installed in the PC). Click Next to Begin installation



Step9: A below screen will be displayed, please ignore the same and click "Next" to proceed.



Step10: Follow the same procedure as earlier.



You can specify the installati	ion folder for	Windows Media Encoder 91	Jer
Windows Media Encoder 9 Se	enes x64 Edition	x64 Edition	_
Installation folder:			
C:\Program Files\Window	vs Media Components\Encod	ler\ Brows	



After WMEncoder gets installed, Adobe Flash player will be installed automatically. And you will see the following screen:



Click done to finish the installation.

pace LT 4100 Setup	
EyeRIS IntelliSpace LT 4160	i
Please wait while the Setup Wizard installs EyeRIS Inte take several minutes.	BiSpace LT 4160. This may
Status: Installing prerequisite software	
D	BOWE EyeRIS IntelliSpace LT 4160 Please walt while the Setup Wizard installs EyeRIS Intellice Status: Installing prerequisite software

**Step 11:** After the installation of Flash player, Microsoft .NET framework installation will begin and following screen will be displayed:

Step 12: Check on the .NET Check box and click "Next"



Please wait while the selected prerequisite	s are installed.
Name	Status
.NET Framework 4.0	Installing.
Installing .NET Fra -4160- 2-july- Full	x- Sowftwares\EyeRIS-LT 40_Full_x86_x64.exe



Once the following screen will appear it may take some time (approx. 3-5 min.) depending on the processor speed.



Click Finish to complete Installation



And click yes to reboot the PC or laptop.



### 2. Installation of Visual Touch DLL

Snapshot shown of the system properties before the Visual Touch dll is not installed.

Control Panel +	All Control Panel Items + Syster	n -	+ 4 Seeth Co	se p
	1. I.			-
Control Panel Home	View basic information	about your computer		1
Device Manager	Windows edition			
Remote settings	Windows 7 More Pression			
System protection	Copyright © 2009 Microso	ft Corporation. All rights reserved.		
Advanced system settings	Get mani features with a r	ev addition of Windows 7		
	System			
	Rating	509 Windows Experience Index	SON	Y
	Processon	Intel(R) Core(TM) i3 CPU M 330 @ 2136Hz 213 GHz		
	Installed memory (RAM):	4.00 GB (1.86 GB usable)		
	System type:	64-bit Operating System		
	Pen and Touch:	No Pen or Touch Input is available for this Display		
			Support Informa	men
	Computer name, domain, and	workgroup settings		
	Computer name:	CNX+Abbigt	Change setti	iregs
	Full computer name:	CNX-Abhint		
	Computer description:			
	Workgroup	WORKGROUP		
	Windows activation			
Seeklor	Windows is activated		No. of Street, or other	-
Action Center	Product ID: 00359-0EM-85	952687-00016	genuine	
Wendows Update			Contraction of the second	<u>1</u>
Performance information and Tonis			Learn.more a	name

When EyeRIS is run for the first time, it checks whether the Visual Touch dll is installed or not. If not, it begin the Visual touch driver installation, as shows the following window.

Plea	se click on "I	nstall" to	start the d	river insta	allation.
	1		Canad	1	

#### Step 1: Click on "Install"





Step 2: During the installation windows security will ask for the confirmation, Click on "Install this driver software anyway" and complete the installation.

1	nstallation	n was su	cessfull	
	-			
		Ext		

After the installation of the Visual Touch driver is complete, check the system properties. The system is now enabled with 255 touch points.

and the second second		Man Section, Southern Street	G 0 -
Control Paniel +	All Control Panel Items + System	m	• • Search Con.
Control Panel Home	View basic information	about your computer	
Desire Manager	and the second second		
Passata cattingat	Windows edition		
Sustain pushedium	Windows 7 Home Premiu	m	
System protection	Copyright © 2009 Microso	oft Corporation. All rights reserved.	
			<b>U</b>
	System		
	Rating:	518 Windows Experience Index	SONY
	Processor:	Intel(R) Core(TM) (3 CPU M 330 @ 2.13GHz 2.13 GHz	
	Installed memory (RAM):	4.00 GB (3.86 GB utable)	
	System type:	64-bit Operating System	
	Pen and Touch:	Touch Input Available with 255 Touch Points	
			Support Informatio
	Computer name, domain, and	d workgroup settings	
	Computer name:	CNX-Abhijit	Change setting
	Full computer name:	CNX-Abhgit	
	Computer description:		
	Workgroup:	WORKGROUP	
	Windows activation		
Sec also	Windows is activated		
Action Center	Product ID: 00359-OEM-8	992687-00016	
Windows Update			
Performance Information and			



## **EyeRIS Operation**

When EyeRIS loads for the first time, the following splash screen appears.





When no calibrations are loaded, the EyeRIS window appears as shown below:

Choo	se Calibrat	ion	
CN	IX_conf.calil	6	•
	ОК	Cancel	Import

or else shows all the stored calibrations:



1 Calibration Button



No Calibration Loaded

EyeRIS Calibrated

How to calibrate EyeRIS?

1. Click on the Calibration Button .



2. Click on the "Yes" button or press enter, it will load the "Calibration helper" page as shown.

Help		-
?	Do you need help whil	e calibrating?
	Ma	1
	Yes	No

3. You must drag your mouse from the upper-left corner of the whiteboard/projection area to the bottom right of the area to cover it. All the other area then would not be tracked by the EyeRIS system. After dragging, you can also adjust the projection area in rectangle by dragging each corner individually.



5. Now place the e-pen on the center of the calibration circle till it gets filled with red color.

$\oplus$	
	Escape = Cancel
	b = Back to last point

6. Repeat it for all the 9 calibration points in EyeRIS 4160 & 25 calibration points in EyeRIS 5090



7. Once done, please enter the name for the calibration done and press OK.

oose Calibrat	ion	
CNX_conf.cali	b	
OK	Cancel	Import

8. EyeRIS is now calibrated.

#### 3. Settings



Settings	Loads the core settings menu
Tracking Monitor	Shows the area and pens currently tracked by EyeRIS
Check Ambient Light	Checks for any ambient light in and around projection area
Import Calibration	Import calibration from another location
Enable Multitouch (Flash)	Enables Multi Touch for Flash applications

Reset current calibration Points: 3 + x 3 + Sensitivity Low  Medium  High  Custom Single-/Multi-Touch Hybridmode		Manage saved calibration
Points: 3 + x 3 + Sensitivity Low  Medium  High  Custom Single-/Multi-Touch Hybridmode		Reset current calibration
Sensitivity Low  Medium  High  Custom Single-/Multi-Touch Hybridmode	Points:	3 <u>*</u> x 3 <u>*</u>
Single-/Multi-Touch Hybridmode	Sensitivit	/ 💿 Medium 🕐 High 🔿 Custom
	Single-/N On	lulti-Touch Hybridmode Off

Infrared Sensitivity	Increases/Decreases IR sensitivity of the EyeRIS
Calibration	Enables user to load another calibration on the fly
Run On System Startup	Enables EyeRIS to automatically load at the time of booting Windows.

Tracking Monitor: E-pens are shown as blobs when used, as shown In the figure.

