IK-US10

INTERACTIVE FUNCTION MANUAL

Contents of the Package ................................................................. 2
Accessories Introduction .................................................................. 3
Interactive Kit setting ...................................................................... 5
Operation Guide for Windows OS ..................................................... 6
Operation Guide for Mac ................................................................. 25
Operation Guide for Linux .............................................................. 33
Troubleshooting ............................................................................. 35
Contents of the Package

Please make sure that following items are included in the box. If any items are missing, contact your dealer.

1. Interactive Kit
   (IR camera unit)

2. Pointer

3. Light Pen

4. Batteries (AAA)

5. USB Cable

6. Owner's Manual (CD)
Before using the Pointer.
Screw the Rod part into the pointer body firmly please.

How to use this
While pressing the button IR is emitted from the tip of the rod and the CMOS sensor in the projector detects the position of it. While the signal is emitted, the LED Lamp also lights green.
1) Position the tip of pointer on the screen.
2) Push the button to click the target as a mouse or push and hold the button to draw a line as a pen.
Function Key on the "Light Pen"

**How to use this**
While the tip of pen is pressed to the hard screen, IR is emitted from it and the projector detects the position of it.
1) Position the tip of the pen on the screen.
2) Press and hold the tip of the pen to the hard screen and you can draw a line as a pen.

⚠️ **CAUTION**
Touch sensor is located in the tip of the pen therefore, the Battery is consumes if the tip is pressed. If the pen is not used, please store it in off position of Power switch to avoid the consumption of the battery. (Please confirm the "off position" as below; LED lamp of the pen tip does not light when the tip is pressed.)
Interactive Kit Settings

Interactive kit Settings
The IR camera Interactive function needs an external IR camera. Please refer to below figure and plug in IR camera to projector before projector was installed.

Use this feature to select the Interactive Pen function.

- Choose “Off” to disable the Interactive Pen function.
- Choose “IR Camera” to enable the Interactive Pen function.

You need to unplug the Mini USB cable that connects NB/desktop with the projector before using the Interactive function. After you complete the Interactive Settings in OSD, use Mini USB cable to connect NB/desktop with the projector.

Note:
- The Interactive function is available when displaying graphic source from HDMI/VGA input. Other sources are not supported.
- If “3D” or “Dynamic Black” function is enabling, “Interactive” feature is disabling.
Interactive function is provided by "LightPen-Dual" software.

**System Requirements**

To ensure the interactive function work properly, please check your computer system to see if it meets the following conditions.

**LightPen-Dual**

<table>
<thead>
<tr>
<th><strong>System Requirements</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OS Required</td>
<td>Microsoft Windows XP(SP2)(32bit) / Vista (32bit)/Windows 7 (32bit/64bit) or above</td>
</tr>
<tr>
<td>Processor Type</td>
<td>Intel® Core™2 Duo 2.0GHz or above (dedicated GPU is recommended)</td>
</tr>
<tr>
<td>RAM</td>
<td>2GB above</td>
</tr>
<tr>
<td>Min. Free disk space</td>
<td>100 MB</td>
</tr>
</tbody>
</table>
2. Software Installation

2.1 Driver Installation

*When you connect supplied USB cable between projector and your PC, the folder of SPDiver will pop-up. Please double click the "win.exe" and completed the installation process from step 4.

Step 1. Insert the "Owner's Manual" CD-ROM into the CD drive.
Step 2. Open the "LightPen Software for Windows" folder in the CD-ROM.
Step 3. Double click the "Setup.exe" by mouse.
   And then the window will appear as below.

Step 4.
(1) Click "SPDriver" by mouse.
   And then "Setup Wizard" window will appear as below.
   Click "Next" to install.
(2) You can choose to install folder depend on your requirements, or use the default folder. Then click "Next" to continue.

(3) Please wait for a while for the installation. Installation is finished.
2.2 LightPen Software Installation

Step 1. Insert the "Owner's Manual" CD-ROM into the CD drive.
Step 2. Open the "LightPen Software for Windows" folder in the CD-ROM.
Step 3. Double click "Setup.exe" by mouse.
   And then the window will appear as below.

Step 4.
   (1) click "LightPen-Dual" by mouse.
   And then "Setup Wizard" window will appear as below.
   Click "Next" to install.
(2) You can choose to install folder depend on your requirements, or use the default folder. Then click "Next" to continue.

(3) Confirm the information listed and select "Install".

(4) Please wait for a while for the installation. Installation is finished.
3. Initial Setup for Interactive Function

3.1 After SPDriver finished, from "Start Menu/LightPen/SPDriver/SPDriver" to execute it. Connect supplied USB cable between projector and your PC which show below icon.

3.2 Click the mouse left key on the icon in the task bar to show the menu.

* The default Mouse Mode is available for Win XP and Win Vista only.
* The Microsoft Windows 7 OS support multi-point touch control. When using your projector with a PC running Microsoft Windows 7 OS, you may select to use the default Mouse mode or the Multi-point Touch Control mode.
3.3 Calibration:

3.3.1 Select the "Calibration" to enter the calibration process. Use your pen or pointer to touch the circle shown on the screen. Then another circle appear, repeat this process until the 4th circle is finished.

3.3.2 After calibration by 4 points on the screen, PC system will save data, as shown as below, please wait.

3.3.3 After you have finished calibration, you can use either pen or pointer as a mouse on the projection board or wall.
3.4 Auto Calibration:

3.4.1 Select "Auto Calibration" to calibrate the interactive function. The warning message will popup as Fig.1. DO NOT block the image (as Fig.2) shown on the screen while auto calibration is running.

![Fig.1](image1.png)

3.4.2 After you have finished the calibration, you can use either pen or pointer as a mouse on the projection board or wall.

3.4.3 If the "auto calibrating failed" message prompts as shown in Fig.3, please take the steps below for troubleshooting, then do auto calibration again.

![Fig.3](image2.png)

1. Turn lights off or reduce the ambient light to calibration screen
2. Do not walk in front of or shake lens during calibrating
3. Adjust focus to sharpen the images
3.5 How to execute driver again

Execute the driver from "Start Menu / LightPen / SPDriver/ SPDriver".

4. How To Use Interactive Function in LightPen-Dual

4.1 LightPen-Dual Function

When you complete the installation of LightPen-Dual and from "Start Menu/ LightPen/LightPen-Dual" to start it, you see the tool bar in the right side as shown below.
### 4.2 Function of each icon in the Tool bar

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Mouse" /></td>
<td>Change function to Computer Mouse.</td>
</tr>
<tr>
<td><img src="image" alt="Red pen" /></td>
<td>Change function to red pen.</td>
</tr>
<tr>
<td><img src="image" alt="Green pen" /></td>
<td>Change function to green pen.</td>
</tr>
<tr>
<td><img src="image" alt="Blue pen" /></td>
<td>Change function to blue pen.</td>
</tr>
<tr>
<td><img src="image" alt="Marker pen" /></td>
<td>Change function to marker pen.</td>
</tr>
<tr>
<td><img src="image" alt="Drawing tool" /></td>
<td>Draw a circle, a square, a triangle or a straight line.</td>
</tr>
<tr>
<td><img src="image" alt="Fineness and color of pen" /></td>
<td>Select the fineness and color of pen.</td>
</tr>
<tr>
<td><img src="image" alt="Eraser" /></td>
<td>Erase drawing.</td>
</tr>
<tr>
<td><img src="image" alt="Clean all" /></td>
<td>Erase drawing on the screen all at once.</td>
</tr>
<tr>
<td><img src="image" alt="Save file" /></td>
<td>Save the current page into file in computer.</td>
</tr>
<tr>
<td><img src="image" alt="Dual Pen" /></td>
<td>Support two pens writing at the same time</td>
</tr>
<tr>
<td><img src="image" alt="White Board" /></td>
<td>Change function to white board.</td>
</tr>
<tr>
<td><img src="image" alt="Page up" /></td>
<td>Go to last page.</td>
</tr>
<tr>
<td><img src="image" alt="Page down" /></td>
<td>Go to next page.</td>
</tr>
<tr>
<td><img src="image" alt="Edit tool" /></td>
<td>Edit drawing.</td>
</tr>
<tr>
<td><img src="image" alt="Keyboard" /></td>
<td>On screen keyboard.</td>
</tr>
<tr>
<td><img src="image" alt="Exit" /></td>
<td>Exit the application.</td>
</tr>
</tbody>
</table>
4.3 Advanced function in Tool bar

(1) Drawing Tool

Select , then Drawing Tool function menu will be shown on the screen as below. Please select the icon you want to use.

(2) Dual Pen

Select , then Dual Pen Mode setting menu will be shown on the screen as below. Please choose the screen mode to use.

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Icon" /></td>
<td>Use two pens at the same time on full screen by same setting</td>
</tr>
<tr>
<td><img src="image2.png" alt="Icon" /></td>
<td>Use two pens at the same time on two split screen by different setting</td>
</tr>
</tbody>
</table>
(2.1) <Full Screen Mode>

Use two pens at the same time on full screen by the same tool setting.

<Split Screen Mode>

Use two pens at the same time on two split screen with different tool setting.
## (2.2) The description of two pens function

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Red pen" /></td>
<td>Red pen</td>
</tr>
<tr>
<td><img src="image" alt="Green pen" /></td>
<td>Green pen</td>
</tr>
<tr>
<td><img src="image" alt="Blue pen" /></td>
<td>Blue pen</td>
</tr>
<tr>
<td><img src="image" alt="White pen" /></td>
<td>White pen</td>
</tr>
<tr>
<td><img src="image" alt="Thin round pen" /></td>
<td>Thin round pen</td>
</tr>
<tr>
<td><img src="image" alt="Thick round pen" /></td>
<td>Thick round pen</td>
</tr>
<tr>
<td><img src="image" alt="Thick angle pen" /></td>
<td>Thick angle pen</td>
</tr>
<tr>
<td><img src="image" alt="Eraser" /></td>
<td>Eraser</td>
</tr>
<tr>
<td><img src="image" alt="Clean all" /></td>
<td>Clean all</td>
</tr>
<tr>
<td><img src="image" alt="Insert Image" /></td>
<td>Insert Image</td>
</tr>
<tr>
<td><img src="image" alt="Save file" /></td>
<td>Save file</td>
</tr>
<tr>
<td><img src="image" alt="Exit" /></td>
<td>Exit</td>
</tr>
</tbody>
</table>
(3) **Whiteboard Mode**

Select screen will change to white color background. Original Page up and Page down function icon on Toolbar also change to import background icon and import whiteboard icon.

i. Select , you can see the below interface. You can select any picture you want to be used on background.

![Select a image interface](image)

ii. Select , background will turn to White board mode.

If you want to exit White board mode, just click again.
4.4 Mouse Mode

Mouse pointer can be replaced by the Pointer or LightPen. The left click or double click can be done by pressing the button when using Pointer or the tip of the Light Pen on the screen. If mouse pointer stays at the same position for 2-3 seconds, then it can be automatically changed to mouse right key function.
4.5 Switch to Mouse or Pen mode

Mouse mode or Pen mode can be changed by clicking the tip of the Pointer or the Pen on the top or bottom edge slightly outside of the projected image.

In case of the Mouse mode, 🍀 icon is shown in the task bar.

In case of the Red Pen mode, 🖊 icon is shown in the task bar.

Menu icon with yellow square mark is shown in the tool bar therefore, it is convenience to confirm the present situation.
4.6 Change Toolbar Location
There is a quick way to change the position of the tool bar or hide/show it. Place the tip of "Pointer" or "Light Pen" on the left or right edge slightly outside the projected image, then press the button of the pointer or the tip of the pen to the screen.

4.7 How to execute LightPen-Dual software again
Execute the driver from "Start Menu / LightPen / LightPen-Dual / LightPen-Dual".
5. PowerPoint Tool

This function can be executed by LightPen-Dual.
*The PowerPoint Tool does not support Microsoft Office PowerPoint 2002.*

If you click mouse icon on the task bar and select "PowerPoint Tool setting" as "ON", when you use PowerPoint and show your PowerPoint file as "Presentation mode", PowerPoint tool will be shown in the right side of screen.

When you exit "Presentation mode", PowerPoint tool will be closed automatically.
## 5.1 Function of each icon in PowerPoint Tool bar

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Icon" /></td>
<td>Make toolbar as a small icon.</td>
</tr>
<tr>
<td><img src="image2" alt="Icon" /></td>
<td>Change PowerPoint Toolbar to another side.</td>
</tr>
<tr>
<td><img src="image3" alt="Icon" /></td>
<td>Change function to Computer Mouse.</td>
</tr>
<tr>
<td><img src="image4" alt="Icon" /></td>
<td>Change function to Computer Mouse Right Key.</td>
</tr>
<tr>
<td><img src="image5" alt="Icon" /></td>
<td>Change function to red pen.</td>
</tr>
<tr>
<td><img src="image6" alt="Icon" /></td>
<td>Erase drawing.</td>
</tr>
<tr>
<td><img src="image7" alt="Icon" /></td>
<td>Erase drawing on the screen all at once.</td>
</tr>
<tr>
<td><img src="image8" alt="Icon" /></td>
<td>Go to last page.</td>
</tr>
<tr>
<td><img src="image9" alt="Icon" /></td>
<td>Go to next page.</td>
</tr>
<tr>
<td><img src="image10" alt="Icon" /></td>
<td>Select page.</td>
</tr>
<tr>
<td><img src="image11" alt="Icon" /></td>
<td>Exit Presentation Mode.</td>
</tr>
</tbody>
</table>
Interactive function is provided by "LightPen3" software

1. System Requirements

To ensure the interactive function work properly, please check your computer system to see if it meets the following conditions.

**LightPen3**

<table>
<thead>
<tr>
<th>System Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS Required</td>
</tr>
<tr>
<td>Mac OS X v10.5 above</td>
</tr>
<tr>
<td>Processor Type</td>
</tr>
<tr>
<td>Intel processor</td>
</tr>
<tr>
<td>RAM</td>
</tr>
<tr>
<td>512 MB above</td>
</tr>
<tr>
<td>Min. Free disk space</td>
</tr>
<tr>
<td>100 MB</td>
</tr>
</tbody>
</table>

2. Software Installation

2.1 Driver Installation

*When you connect supplied USB cable between projector and your PC, the folder of SPDriver will pop-up. Please completed the installation process from step 3.*

Step 1. Insert the "Owner's Manual" CD-ROM into the CD drive.
Step 2. Open the "LightPen Software for Mac" folder in the CD-ROM and copy“mac.zip” to the disk.
Step 3. Double click and move SPDriver ICON to computer and execute it.

2.2 LightPen Installation

Step 1. Insert the "Owner's Manual" CD-ROM into the CD drive.
Step 2. Open the "LightPen Software for Mac" folder in the CD-ROM and copy“LightPen3.zip” to the disk.
Step 3. Double click and move LightPen3 ICON to computer screen and execute it.
3. Initial Setup for Interactive Function

3.1 Connect supplied USB cable between projector and your PC which show below icon.

3.2 Click the mouse left key on the icon in the task bar to show the menu.

3.3 Select the "Calibration" to enter the calibration process. Use your pen or pointer to touch the circle shown on the screen. Then another circle appear, repeat this process until the 4th circle is finished.

3.4 After you have finished calibration, you can use either pen or pointer as a mouse on the projection board or wall.
4. How To Use Interactive Function in LightPen3

4.1 LightPen-Dual Function

When you complete the installation of LightPen3 and start it, you see the tool bar in the right side as shown below.
## 4.2 Function of each icon in the Tool bar

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mouse</td>
<td>Change function to Computer Mouse.</td>
</tr>
<tr>
<td>Red pen</td>
<td>Change function to red pen.</td>
</tr>
<tr>
<td>Green pen</td>
<td>Change function to green pen.</td>
</tr>
<tr>
<td>Blue pen</td>
<td>Change function to blue pen.</td>
</tr>
<tr>
<td>Marker pen</td>
<td>Change function to marker pen.</td>
</tr>
<tr>
<td>Drawing tool</td>
<td>Draw a circle, a square, a triangle or a straight line.</td>
</tr>
<tr>
<td>Fineness and color of pen</td>
<td>Select the fineness and color of pen.</td>
</tr>
<tr>
<td>Eraser</td>
<td>Erase drawing.</td>
</tr>
<tr>
<td>Clean all</td>
<td>Erase drawing on the screen all at once.</td>
</tr>
<tr>
<td>Save file</td>
<td>Save the current page into file in computer.</td>
</tr>
<tr>
<td>White Board</td>
<td>Change function to white board.</td>
</tr>
<tr>
<td>Page up</td>
<td>Go to last page.</td>
</tr>
<tr>
<td>Page down</td>
<td>Go to next page.</td>
</tr>
<tr>
<td>Edit tool</td>
<td>Edit drawing.</td>
</tr>
<tr>
<td>Keyboard</td>
<td>On screen keyboard.</td>
</tr>
<tr>
<td>Exit</td>
<td>Exit the application.</td>
</tr>
</tbody>
</table>
4.3 Advanced function in Tool bar

(1)  

Drawing Tool

Select , then Drawing Tool function menu will be shown on the screen as below. Please select the icon you want to use.

(2)  

Whiteboard Mode

Select , screen will change to white color background. Original Page up and Page down function icon on Toolbar also change to import background icon and import whiteboard icon.

i. Select , you can see the below interface. You can select any picture you want to be used on background.
ii. Select 🎨, background will turn to White board mode.

If you want to exit White board mode, just click 🎨 again.

(3) 🔧 Edit Tool

Select 🎨, edit tool bar is shown as blow. Please select the function you want to use.

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🎨</td>
<td>Select drawing line as an object. An object can enlarge, decrease, rotate, delete or move.</td>
</tr>
<tr>
<td>🎨</td>
<td>Rotate the drawing object you choice.</td>
</tr>
<tr>
<td>🖨️</td>
<td>Print the current page you are seeing.</td>
</tr>
<tr>
<td>🔴</td>
<td>Undo the last operation.</td>
</tr>
<tr>
<td>🔪</td>
<td>Redo the last operation.</td>
</tr>
</tbody>
</table>
4.4 Switch to Mouse or Pen mode

Mouse mode or Pen mode can be changed by clicking the tip of the Pointer or the Pen on the top or bottom edge slightly outside of the projected image. In case of the Mouse mode, icon is shown in the task bar. In case of the Red Pen mode, icon is shown in the task bar.

Menu icon with yellow square mark is shown in the tool bar therefore, it is convenience to confirm the present situation.
4.5 Change Toolbar Location
There is a quick way to change the position of the tool bar or hide/show it. Place the tip of "Pointer" or "Light Pen" on the left or right edge slightly outside the projected image, then press the button of the pointer or the tip of the pen to the screen.
Interactive function is provided by "SPDriver".

1. System Requirements

To ensure the interactive function work properly, please check your computer system to see if it meets the following conditions.

Driver

<table>
<thead>
<tr>
<th>System Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OS Required</td>
<td>Ubuntu 10.04, Debian 5.05, Suse 11.3</td>
</tr>
<tr>
<td>Processor Type</td>
<td>Intel Pentium-4 2.0GHz or above (dedicated GPU is recommended)</td>
</tr>
<tr>
<td>RAM</td>
<td>512 MB above</td>
</tr>
<tr>
<td>Min. Free disk space</td>
<td>100 MB</td>
</tr>
</tbody>
</table>

2. Driver Installation

<Installation from USB device>
When you connect supplied USB cable between projector and your PC, the folder of SPDriver will pop-up. Please completed the installation process from step 3.

*Please login as root user before installation.

<Installation from CD-ROM>

Step 1. Insert the "Owner's Manual" CD-ROM into the CD drive.
Step 2. Open “SPDriver for Linux” folder.
Step 3. Choose 1-setup and continue the installation process.
Step 4. Installation is complete.
3. Initial Setup for Interactive Function

3.1 Connect supplied USB cable between projector and your PC which show below icon.

3.2 Click the mouse left key on the icon in the task bar to show the menu.

3.3 Select the "Calibration" to enter the calibration process. Use your pen or pointer to touch the circle shown on the screen. Then another circle appear, repeat this process until the 4th circle is finished.

3.4 After you have finished calibration, you can use either pen or pointer as a mouse on the projection board or wall.
Troubleshooting

Q1: Why does the message “No LightPen found” appear?
A: It may be caused by following:

(1) Your computer and projector are not properly connected. Please make sure the USB cable is properly inserted in both your computer and projector.
   (1-1) Insert the USB cable again if you see the screen as shown below.

   (1-2) If the SPDiver Icon as shown as the following image (A), it indicates that USB cable is not connected or the USB port is out of order. If icon is shown as (B), it means you can use LightPen program.

(2) Please use the USB cable included with your projector. If a USB extension is needed, please contact your dealer.
(3) The USB port of your computer is not working. Please contact your IT staff.

Q2: How come the round calibration target does not execute properly?
A: (1) Please check whether the pointer or light pen is working:

   (1-1) Please make sure the pointer or light pen has a battery of adequate power and has been turned on.
   (1-2) When using the pointer or light pen, please avoid writing in shadow area (see figure below) and maintain a 25 degree angle against the projection screen. The pointer or light pen is available for use only when signals transmitted by it can be received by the sensors.
Troubleshooting

Avoid writing in shadowy areas. Keep the light pen and project screen at an angle of 25 degree or more against each other

(2) The ambient lighting may be too bright to work properly. Please keep the projection screen and sensors from direct ambient lights.

Strong ambient light is usually caused by the following:
(2-1) Sunlight through the windows near the screen.
(2-2) Light source working close to the sensor or the screen.

Please quit the SPDriver and execute again, if you see the window shown as Q5. Please take the light out until you can't see any light in Window.

Q3: How come the cursor is not located where the light pen is pointed to?

A: It may be caused by the following:
(1) Poor system calibration. Try to point to the "center" of circle target when you run calibration.(See Page 11~12 or Page 26, Page 34)
(2) The project location, projection size, or projection distance may be changed.
(3) The projection resolution may have been changed.

Please calibrate again to solve this problem.

Q4: How come the cursor jumps around?

A: The ambient lighting may be too bright to work properly. Please keep the projection screen and sensors from ambient light interference, especially direct sun light.(Please refer to Q2.)
Troubleshooting

Q5: Why does the message "Strong lighting in the environment may cause light pen to stop functioning normally." appear?

A: Too strong an ambient lighting may interfere with the functions of sensors contained in your projector. Please keep the sensors of your projector away from direct ambient lights.

Q6: How come the SPDriver have no response of virtual keyboard function when the setting of SPDriver as <Mouse mode> on Windows Vista\Windows 7 operating system ?

A: Ther virtual keyboard function of SPDriver may be restricted by the default setting of the <User Account Control, UAC> on the Windows operating system. User can modify the setting by following steps.
1. Choose the setting page from <Start menu / Control Panel / User Accounts>.
2. Select <Change User Account Control settings>.

3. Change the level of User Account Control as "Never notify", then click "OK" to confirm.

4. Restart the computer to complete the process.

Note: Since SP driver is resident in the PC, the driver displayed is an invalid one when connects to the SP module again.
## Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senson size</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>IR band</td>
<td>940nm</td>
</tr>
<tr>
<td>Detect frame rate</td>
<td>60 fps</td>
</tr>
<tr>
<td>Resolution</td>
<td>2560 x 1920 (Interpolated)</td>
</tr>
<tr>
<td></td>
<td>640 x 480 (Native)</td>
</tr>
<tr>
<td>Input port</td>
<td>Mini USB type</td>
</tr>
<tr>
<td>Calibration</td>
<td>4 points manual calibration on Windows / Mac / Linux OS</td>
</tr>
<tr>
<td></td>
<td>Auto calibration on Windows OS</td>
</tr>
<tr>
<td>Driver install</td>
<td>Driver included; Auto run on Windows OS</td>
</tr>
<tr>
<td>Throw ratio</td>
<td>0.35</td>
</tr>
<tr>
<td>Multi-touch</td>
<td>2 touch points (Windows 7 and Windows 8 compliant)</td>
</tr>
<tr>
<td>Dual-pen mode</td>
<td>On Windows OS</td>
</tr>
<tr>
<td>Projection image size</td>
<td>70&quot; ~100&quot;</td>
</tr>
<tr>
<td>power consumption</td>
<td>200mA</td>
</tr>
<tr>
<td>Built-in memory</td>
<td>8MB</td>
</tr>
<tr>
<td>Standard package contents</td>
<td>• Interactive Kit (IR Camera Unit) x 1</td>
</tr>
<tr>
<td></td>
<td>• Light Pen x 1</td>
</tr>
<tr>
<td></td>
<td>• Pointer x 1</td>
</tr>
<tr>
<td></td>
<td>• USB cable (A - Mini B type) x 1</td>
</tr>
<tr>
<td></td>
<td>• Battery x 4</td>
</tr>
<tr>
<td></td>
<td>• Owner's Manual (CD) x 1</td>
</tr>
</tbody>
</table>
EIKI

U.S.A.
EIKI International, Inc.
30251 Esperanza
Rancho Santa Margarita
CA 92688-2132
U.S.A.
Tel: 800-242-3454 (949)-457-0200
Fax: 800-457-3454 (949)-457-7878
E-Mail: usa@eiki.com

Canada
EIKI CANADA - Eiki International, Inc.
P.O. Box 156, 310 First St. - Unit 2,
Midland, ON, L4R 4K8, Canada
Tel: 800-563-3454 (705)-527-4084
Fax: 800-567-4069 (705)-527-4087
E-Mail: canada@eiki.com

Deutschland & Österreich
EIKI Deutschland GmbH
Am Frauwald 12
65510 Idstein
Deutschland
Tel: +49-6126-9371-0
Fax: +49-6126-9371-14
E-Mail: info@eiki.de

Eastern Europe
EIKI CZECH SPOL. s.r.o.
Nad Cementárnom 1163/4a
Praha 4, Podolí
147 00
Czech Republic
Tel: +420 241 410 928
+420 241 403 095
Fax: +420 241 409 435
E-Mail: info@eiki.cz

China
EIKI (Shanghai) Co., Ltd.
LAKESIDE OASIS MIDDLE RING
BUSINESS CENTRE
Block 1, Room 606,
1628, Jin Sha Jiang Road
Shanghai, 200333
CHINA
Tel: 86-21-3251-3993
Service Hot line: 86-21-3251-3995
Fax: 86-21-3251-3997
E-mail: info@eiki-china.com

South East Asia
EIKI Industrial (M) Sdn Bhd
No. 11, Nouvelle Industrial Park,
Lorong Teknologi B, Taman Sains Selangor
1, Kota Damansara PJU5,
47810 Petaling Jaya, Selangor Darul Ehsan,
Malaysia
Tel: +603-6157-9330
Fax: +603-6157-1320
E-Mail: sales@eiki.my

Japan & Worldwide
EIKI Industrial Company Limited.
6-23 Teramoto, Itami-shi, Hyogo,
664-0026 JAPAN
Tel: +81-72-782-9492
Fax: +81-72-781-5435

WorldWide Website  http://www.eiki.com