NET BOARD

Total Solution

SEESCAPE

NET BOARD

Benefits of **NETBOARD**

Benefits at a Glance

Versatile (3-in-1)

- Multiple Purpose digital pen(ADP-601) and AG/AR high visibility CORNING Gorilla Glass
- IWB with digital pen + whiteboard with marker pen + high visibility projector screen
- You can use it as normal board/screen if IWB is not used
- You can save space/cost due to elimination of extra projector screen
- You can have clean writing environment with no frame/sensor/electric power

Anti-glare CORNING Gorilla Glass NET BOARD

Anti-glare high visibility screen

I W B

Seamless interior installation

Multi-purpose digital pen

NETBOARD

No power, no heat, no EMI, no shock hazard

High visibility, cost effective

100" above large size

Comparison Table of EWB and NET BOARD

Other company's electronic blackboard

NET BOARD

	Other company's electronic blackboard	NET BOARD
Display	PDP -> LCD -> LED Expensive and difficult maintenance Limited Sizes No marker whiteboard function Electromagnetic field High power consumption	Ultra short-throw of just short-throw projector Cheap and easy maintenance Cost effective 100" above large size 3 in 1 multiple usages
Sensor	Electromagnetic, Pressure, Camera, IR, Ultrasonic, etc. Expensive and slow response time Need an outer frame Maintenance problem	Digital pen reads the dot-pattern Cheap and fast response time No outer frame NET BOARD enables easy installation and maintenance Durability
Durability	Low durability Contamination due to scratches, shock, etc. Difficult to maintain flatness and reduces visual distortion	High durability Semi-permanent usage Superior flatness due to glass material Safety CORNING Gorilla Glass

Differentiated **features and interior**

No power, no heat, no EMI, no shock hazard!

G–board does not require any external electrical power source, as opposed to other sensor attached type IWBs (100% EMI free)

Seamless interior installation

Replace conference room's glass boards
– Enables existing wall utilization
– Glass board + high visibility screen + IWB
Adaptability to many interior configurations
More flexible in space planning

Initial cost: 3–in–1 and much less expensive than the display type

– Multiple functions enable easy and versatile installation
– Cost difference vs display increases as size becomes larger
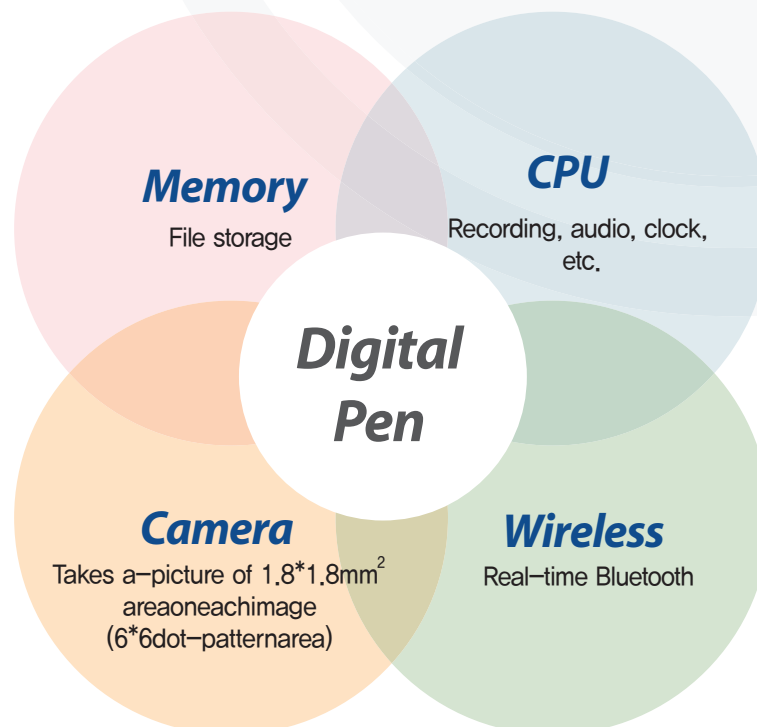
Various configurations

Combines with an existing classroom 3–division white board
Makes the IWB area an entire wall glass mount
Combines with a custom installation of luxury furniture
Allows moving type, hanging type, stand–alone type, etc.

Classroom

Meeting Room

Lecture Room

Meeting Room

Classroom

Theater

Multi–Purpose

Multi–purpose digital pen (ADP–601)

Unlike conventional dedicated digital pen, ADP–601 multi–purpose digital pen not just for IWB

Memory
File storage

CPU
Recording, audio, clock, etc.

Digital Pen

Camera
Takes a–picture of $1.8*1.8mm^2$ areaoneachimage (6*6dot–patternarea)

Wireless
Real–time Bluetooth

Note taking, drawing, etc. on dot–pattern papers — *Note*

Interactive White Board — *Electronic Board*

Remote two–way learning — *Remote*

Digital textbook in public education — *Digital Textbook*

Input device to mobile devices
Currently supports Android smartphone, tablet, etc — *Tablet*

Accurate/Simple

Introduction of the digital pen technology

ADP–601 is an optical pen that directly detects a 0.3mm pitch dot
on the surface of the **IWB and is interference free** (shadow, EMI, IR, heat, etc.)

Dot pattern gives absolute position. No distance errors
⁻ unlike ultrasonic, IR, cameras, electro–magnetic type sensors which use relative positioning.
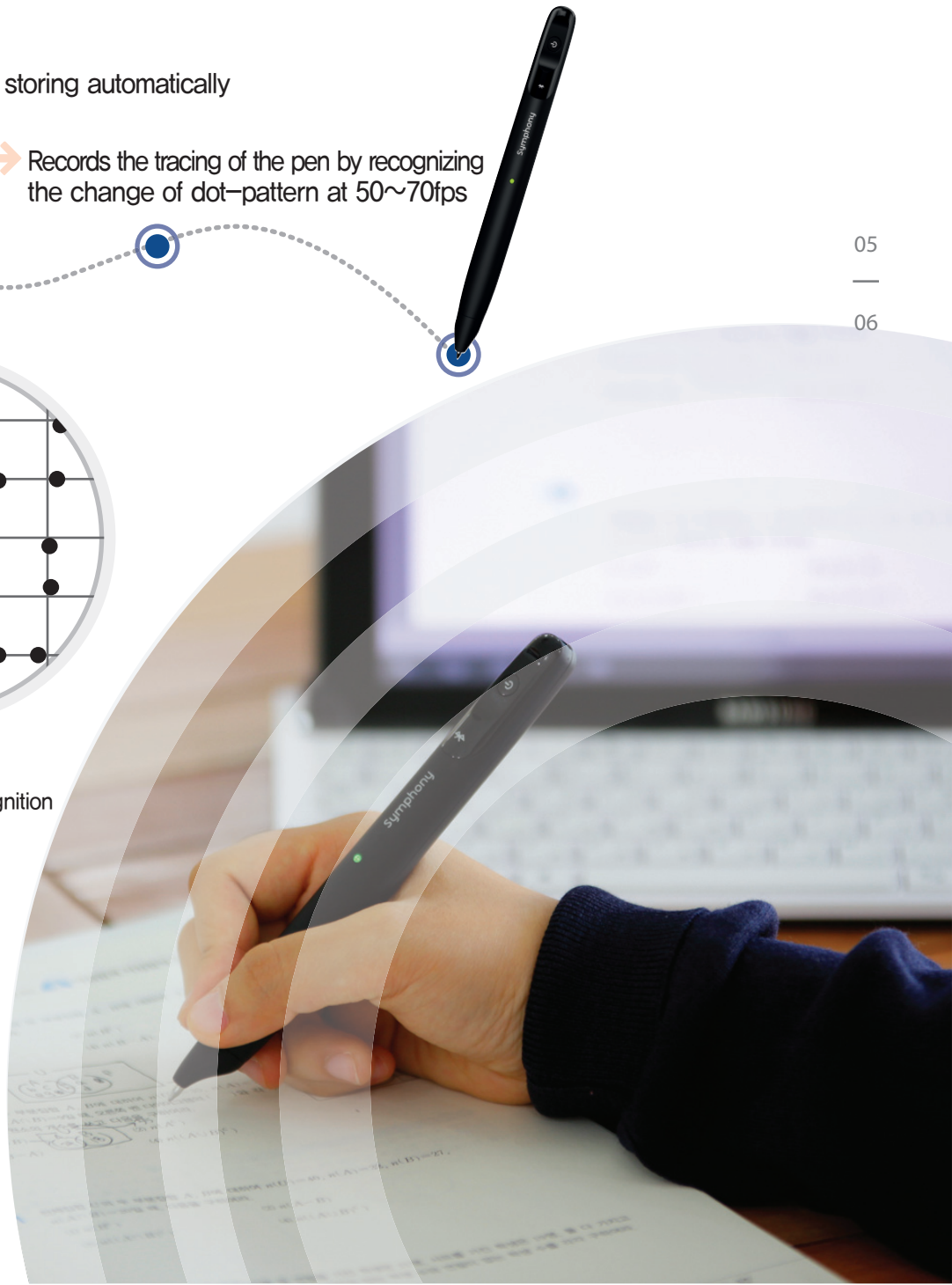No sensor frame required

→ Locates the position
at the first stroke and starts storing automatically

→ Records the tracing of the pen by recognizing
the change of dot–pattern at 50~70fps

0.3mm
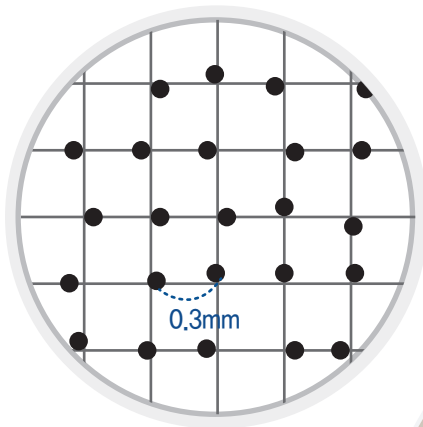
Dot Pattern
Fine and pleasant pattern recognition
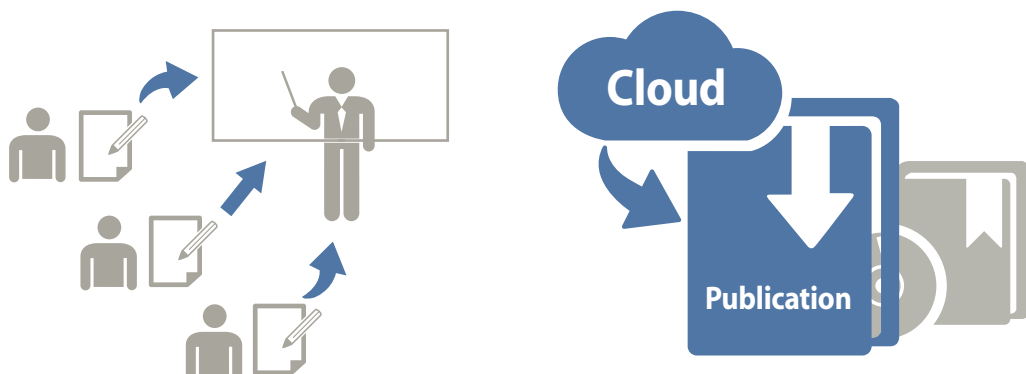
Two-way learning platform

Multi-way learning system connected with NET BOARD and digital pen

Able to share and learn each students' writings by displaying on NET BOARD through the projector

Able to compare and explain by writing on NET BOARD

Able to save and upload on Cloud

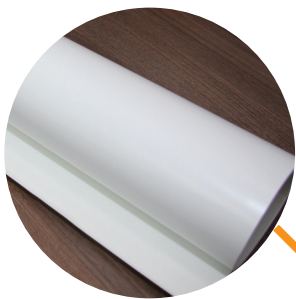Cloud

Publication

Various Utilization of Digital Pen

◉ Dot patterned whiteboard
Interactive White Board

Overlay glass / IWB / Note
ADP 601 is a general writing device
not just for specific applications

◉ Dot patterned note
A5 Starter Note / B5 Standard Note
A4 Research Note / Pen+Pad

◉ Dot patterned note
A5 Starter Note / B5 Standard Note
A4 Research Note / Pen+Pad

Writing program

Writing program features

100% utilization of the existing teaching materials

– MS office, HWP, PDF, image, movie, etc.
– Maximizing advantage of teaching material by providing the varioety of viewer programs

E–learning Platform

– Utilizing already owned equipment
– Providing one–click recording function on–site classroom
– Making a base–line of e–learning via interactive learning after school

Maximizing the effect by uploading

– Computer screen, voice, images and writing by one–click recording
– Supports various file–formats (BDF, JPG, PDF, etc.)

Support teacher–centered education process

– Before the class(taking advantage of teaching materials)
– During the class (writing program, assisted teaching materials, screen board, contents library, screen navigation)
– After the class(screen capture, video recording, uploading)

NET BOARD
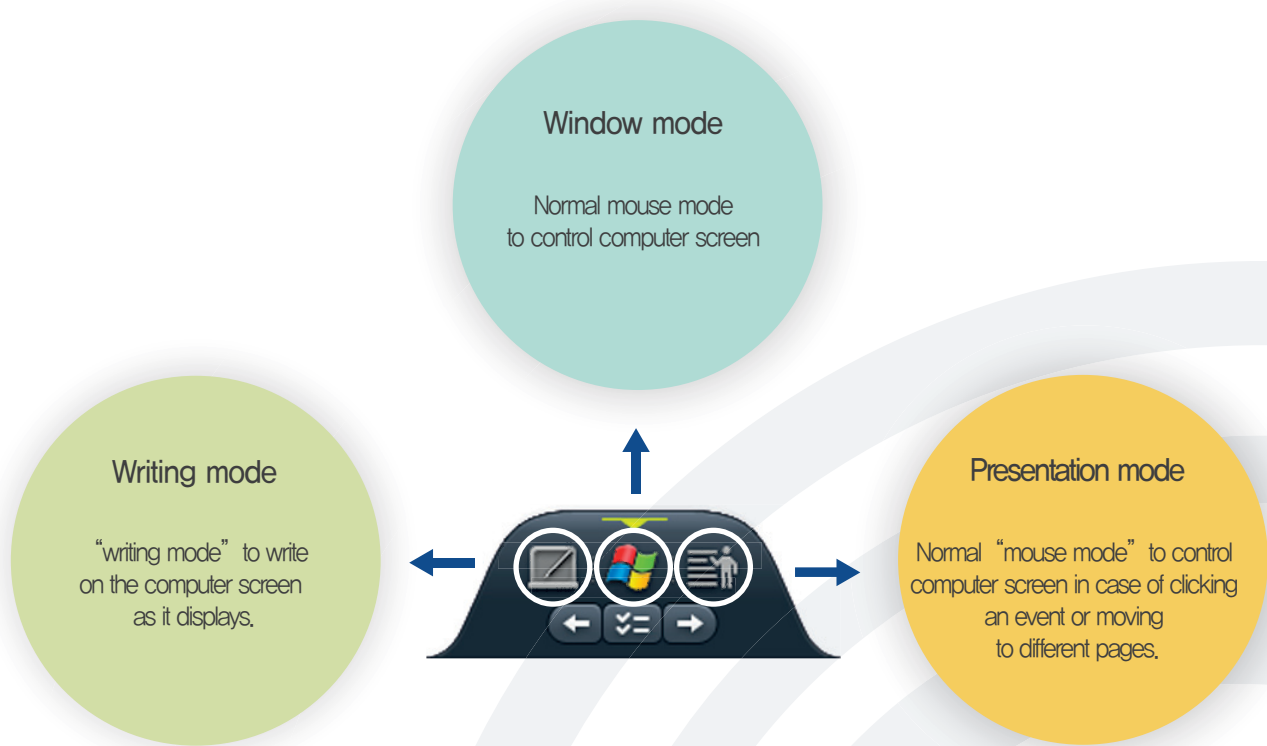
Floating Palette

Writing mode floating

PT mode floating

Using floating mode, easy to write in any corner of NET BOARD

Key features

Controlling detailed features on the right-side by choosing main toolbar icon on the left-side.

Board Transitions

Key main functions

Main detailed functions

Window mode

Normal mouse mode
to control computer screen

Writing mode

"writing mode" to write
on the computer screen
as it displays.

Presentation mode

Normal "mouse mode" to control
computer screen in case of clicking
an event or moving
to different pages.
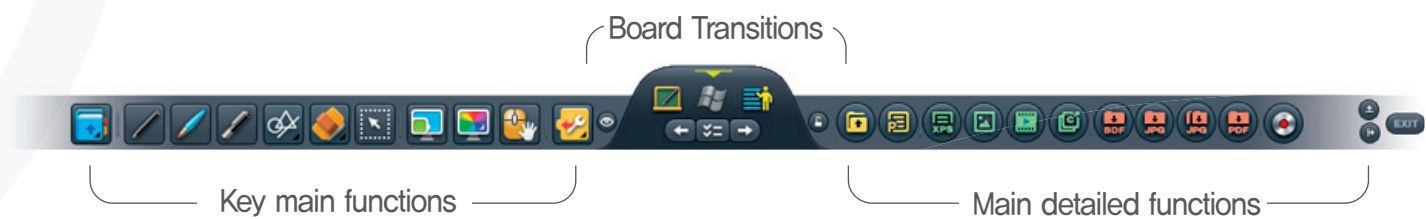
Convenient function

– Screen navigation (zoom in and out)
– Floating palette
– Menu position and hide

Writing support

– Three types of pen
  (general pen, blush, and high lighter)
– Various pen thickness and colors
– Diagram
– Various eraser

Add-ons

– Win7 multi-writing function
– Dual monitor
– Shortcuts for menu
– Interworking with X-point presenter

NET BOARD Spec, characteristic

NET BOARD provides the best communication solution to schools, companies, and conferences.

Application examples

Digital pen specification

Model	ADP−601
Weight	148*14.3*18.8mm
MMI	19g
Charge	red/green LED
Communication	USB mini
Operating angle	bluetooth 2.0
Operating time	−20〜40'
Storage temp	0〜40℃
Operating temp	−20〜65℃
Certification	CE, FCC, WEEE, VCCI, KC
System requirement	WindowsXP(SP3), Vista, 7 and 8

Product configuration

CORNING Gorilla Glass
NET BOARD

Dot pattern

Back board and frame
(optional)
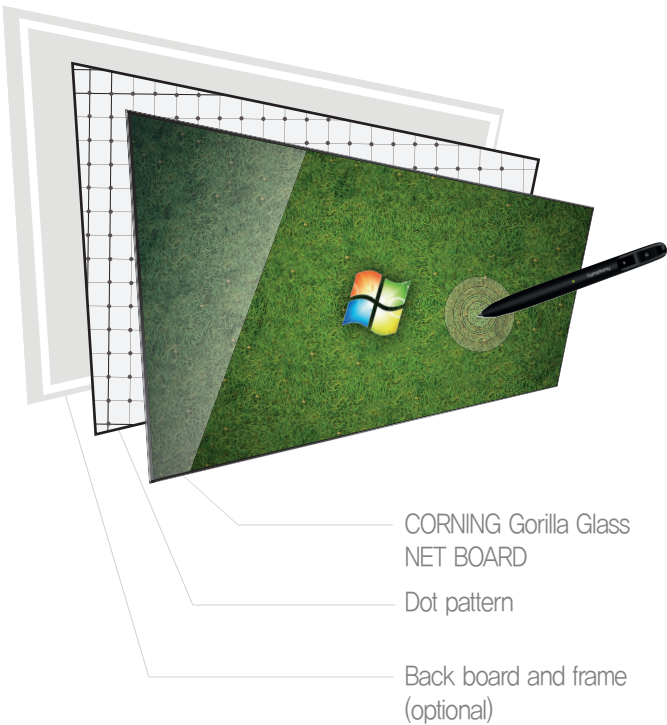
Screen specification

Model	S–NET BOARD G1850–7	S–NET BOARD G2000–20	S–NET BOARD S2000	S–NET BOARD S3200
Feature	AG glass surface screen / AG transparent sheet			
Characteristic	Glass surface of the screen		Reflective transparent sheet	
Screen size(only glass)	1850(W)*1500(H)	2000(W)*1200(H)	2000(W)*1200(H)	3200(W)*1200(H)
Screen ratio	3.7:3	15:9	15:9	24:9
Touch	dot–pattern recognizing digital pen			
Coordinate recognition	dot–pattern image recognition			
Dot pattern spacing	0.3mm			
Surface	AG CORNING Gorilla Glass 0.7mm	AG CORNING Gorilla Glass 2mm	AG Transparent Sheet	AG Transparent Sheet
Back side	Tempered Glass 5mm or 3mm		Adhesives, iron, magnetic, silicon, etc. ..	Adhesives
Thickness	Under 10mm(Excluding the frame)		N/A	N/A
Digital pen interfaces	Blue tooth 2.0 (Provide a separate dongle)			
Software	PenHub(Digital Pen software) / PowerACE(Writing Program)			

• The size of the product can be subject to change by the manufacturer.

Step·by·Step Approach
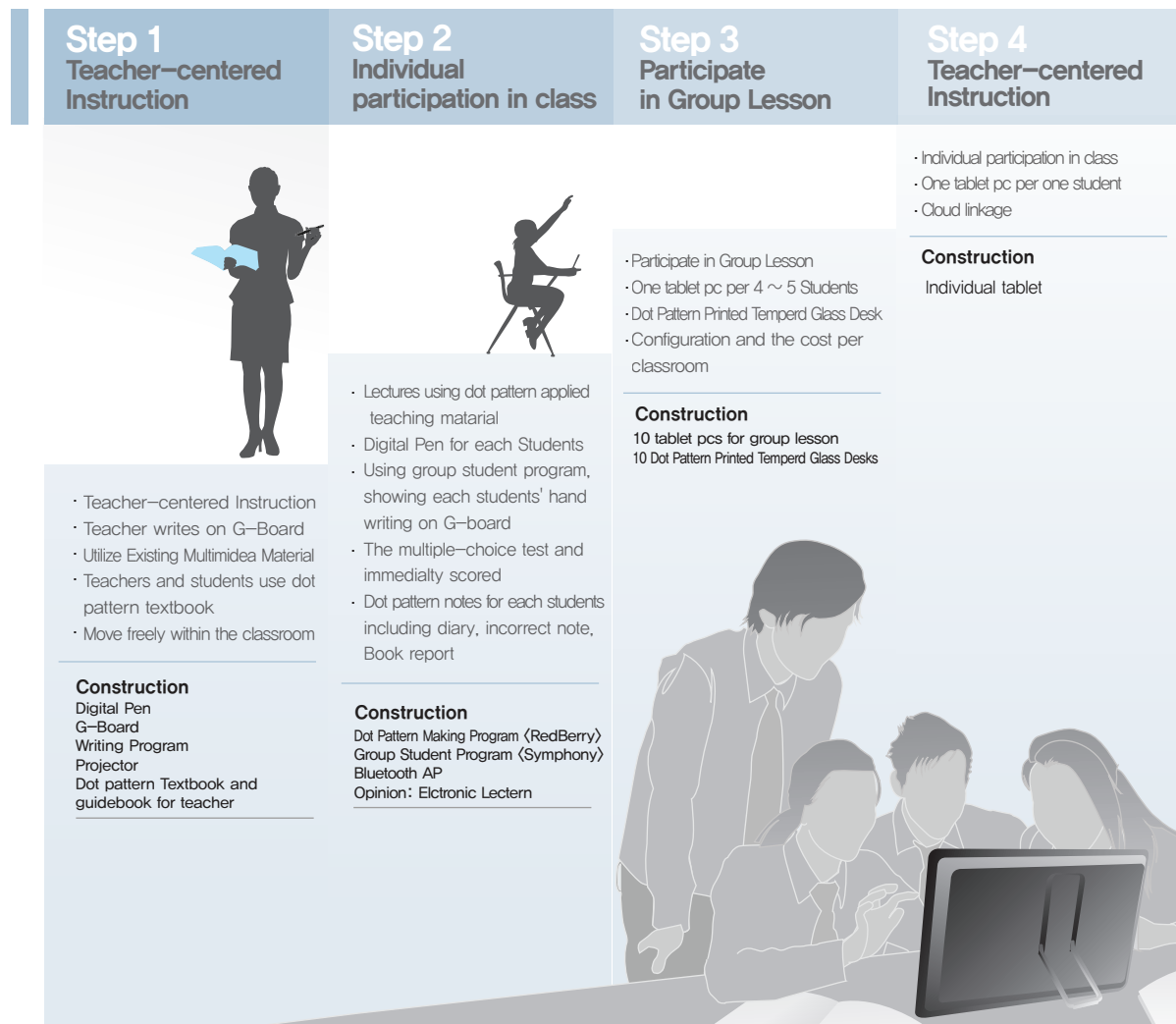
STEP 1 Teacher (G board + pen + program)

STEP 2 Teacher + Students (G board + pen + program)
Our Solution−oriented Package

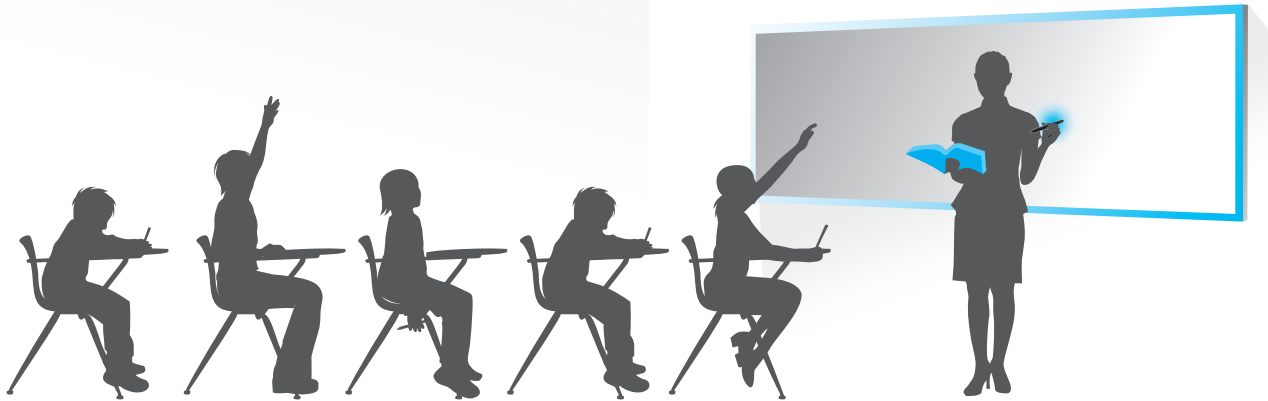**STEP 3** Teacher + Students (G board + pen + program + 1 tablet for a group)

STEP 4 Teacher + Students (G board + pen + program + individual tablets)
*Tablet Interlocking Package*

Step 1 Teacher−centered Instruction	Step 2 Individual participation in class	Step 3 Participate in Group Lesson	Step 4 Teacher−centered Instruction
			· Individual participation in class · One tablet pc per one student · Cloud linkage
		· Participate in Group Lesson · One tablet pc per 4 ~ 5 Students · Dot Pattern Printed Temperd Glass Desk · Configuration and the cost per classroom	**Construction** Individual tablet
	· Lectures using dot pattern applied teaching matarial · Digital Pen for each Students · Using group student program, showing each students' hand writing on G−board · The multiple−choice test and immedialty scored · Dot pattern notes for each students including diary, incorrect note, Book report	**Construction** 10 tablet pcs for group lesson 10 Dot Pattern Printed Temperd Glass Desks	
· Teacher−centered Instruction · Teacher writes on G−Board · Utilize Existing Multimidea Material · Teachers and students use dot pattern textbook · Move freely within the classroom			
Construction Digital Pen G−Board Writing Program Projector Dot pattern Textbook and guidebook for teacher	**Construction** Dot Pattern Making Program 〈RedBerry〉 Group Student Program 〈Symphony〉 Bluetooth AP Opinion: Elctronic Lectern		

{ **Step1**   Teacher-centered Instruction
Teacher (Gboard + pen + program)

Gboard ①   Digital pen ①   Dot note ①   Writing Program ①   Group study Program   Tablet
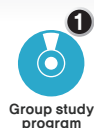
{ **Step2**   individual participation in class
Teacher + Students (Gboard + pen + program)
Interactive group study program with individual digital pen and dot pattern textbook including step 1

Gboard ①   Digital pen Ⓝ   Dot note Ⓝ   Writing Program ①   Group study Program ①   Tablet
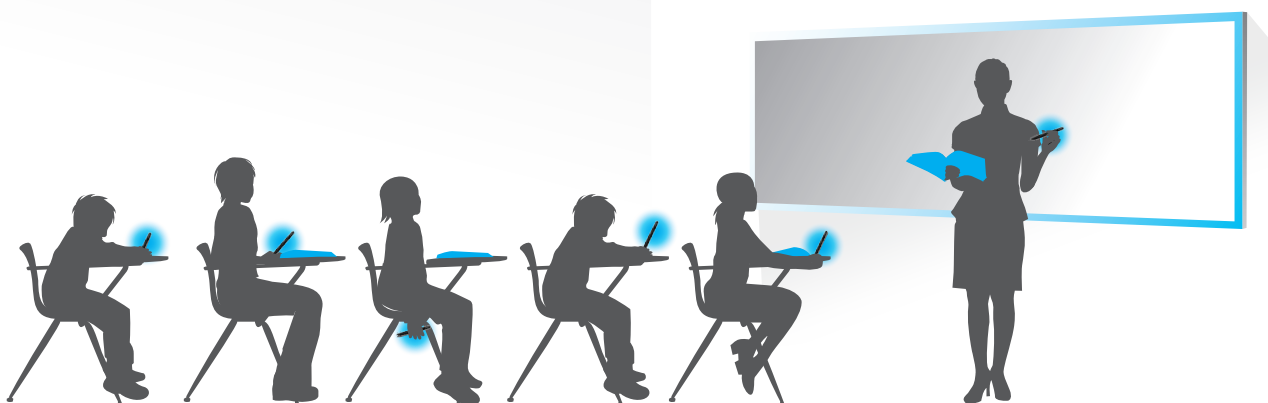
Step3

Teacher + Student (Gboard + pen + program + 1 tablet for a group)

Interactive group study program with step 2 adding tablet pc for small group

Gboard	Digital pen	Dot note	Writing Program	Group study program	Tablet (1 by group)

Step4

individual participation in class

Teacher + Student (Gboard + pen + program + individual tablets)

Individual activities by giving each students tablet pc with step2

Gboard	Digital pen	Dot note	Writing Program	Group study program	Tablet
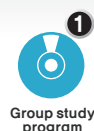
Associated products

IWB Overlay Monitor

Recognition method
digital pen sensor corresponding dot-pattern
Screen size 5.6inch~27inch

Product description

Dot-pattern printed tempered glass monitor.

Easy to write on the screen with digital pen
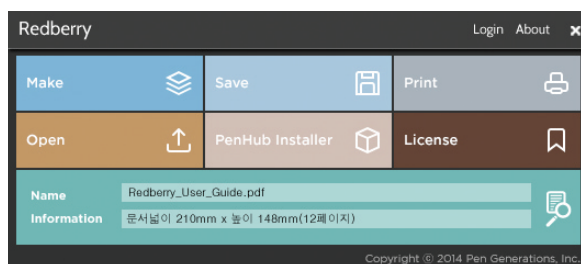
| Various sizes | IWB Overlay Monitor Built in Electronic lecture desk or single |
| Cost effective | Intuitive, accurate, and fast writing speed |

Redberry

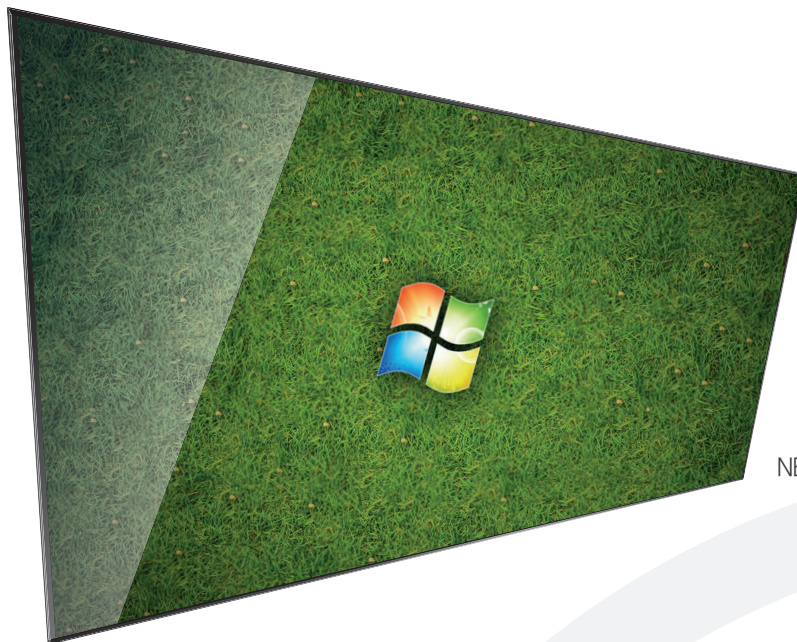Print with ordinary printers using carbon ink. (Laser Printer)

Dot-pattern print program for presentation and teaching materials

- Size : A4
- Apply it to various printed materials, books, to be used for various applications.
- Easily print the patterns on normal paper film, and etc. more than 300 pages.

NET BOARD Contents

Product Components

NET BOARD

USB dongle

Charge Cable

Digital Pen

Write a program / pen Hub

SOLiD edu provides new teacher-friendly education platform that uses a single digital pen, operating digital blackboards, dot-patterned textbooks, dot-patterned notebooks, dot-patterned class materials, and overlay monitors.