

# Panasonic

65-inch class **TH-65PB2U**  
50-inch class **TH-50PB2U**



**FULL HD**  
1920 X 1080p

**PJLink™**

**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

**SLOT 2.0**

**NANODRIFT™**

## Write Exactly Where You Want

Because the Electronic Pen detects the plasma illumination position in Full-HD pixel units, it lets you write comfortably and accurately at the position you want. Also, in addition to writing and erasing, the Electronic Pen can be used for marking or pointing from a distance, greatly increasing its versatility.

## Easy Start-Up, Integrated Whiteboard Functions

Integrated whiteboard functions require no PC for use. Simply turn on the power of the display and immediately start creating ideas or jotting down notes. When writing onto data that is displayed from a PC, there is no need to install a special driver\* on the PC, so it's ready for immediate use.

\* When using one Electronic Pen as a mouse.

## Easy, Wireless Presentations

Make meetings run more smoothly with wireless presentations. Display content from a PC or tablet wirelessly, eliminating the need for cables. This lets you easily send PowerPoint®, MSWord, Excel, PDF data and images to the display from a PC, iPad, iPhone, or iPod touch. There is no troublesome cable switching necessary when presenters change.

For more information about Panasonic professional displays, please visit:  
[panasonic.net/prodisplays](http://panasonic.net/prodisplays)





# 65-inch class TH-65PB2U

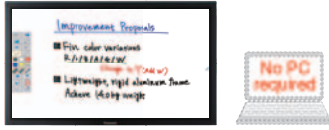
# 50-inch class TH-50PB2U

Interactive Plasma Displays

## Main Features

### Easy Whiteboard Function

Immediately usable as a whiteboard, with no need for a PC. Written content can be stored in external USB memory.



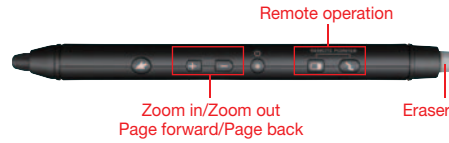
### Picture-in-Picture Function

A second input source can be displayed on top of the image source that is initially displayed. The displayed material and whiteboard can also be combined to provide space for writing notes.



### New Electronic Pen

By combining the Electronic Pen with the special software, handheld operation is possible with the Electronic Pen's buttons. The Electronic Pen can also be easily recharged by simply placing it into the pen holder.



### Remote Pointer Function

By mounting an optical attachment to the Electronic Pen, it can be used from a distance as a marker or pointer for the display.



### Wide Viewing Angle, Excellent Visibility

The plasma display's inherently wide viewing angle provides accurate colors even when viewed from an angle.



### Built-in Speakers

Speakers are built into the rear of the display for convenience when using recorded content and teaching materials equipped with sound.



## Product Specification (Design and specification subject to change without notice)

Model No.	TH-65PB2U	TH-50PB2U
<b>DISPLAY</b>		
Screen Size (Diagonal)	64.7-inch (1,645 mm)	49.9-inch (1,268 mm)
Aspect Ratio	16:9	
Effective Display Area (W x H)	56.4" x 31.7" (1,434 x 806 mm)	43.5" x 24.5" (1,105 x 622 mm)
Number of Pixels	1,920 x 1,080 pixels	
Contrast Ratio*1	5,000,000:1	
Gradation	6,144 steps (Equivalent)	
Panel Life Time*2	Approx. 100,000 hours	
Touch Technology	Plasma Light Detection System	
IR Reduction Filter	Yes	
Anti-Glare Filter	Yes	
<b>CONNECTION TERMINAL</b>		
Video In/Audio In (L/R)	BNC x 1/M3 jack x 1 set (Shared with Component/RGB In)	
Component/RGB In/Audio In (L/R)	BNC x 3/M3 jack x 1 set (Shared with Video In)	
HDMI In	HDMI Type A Connector x 1	
DVI-D In	DVI-D 24-pin x 1	
Audio In (L/R)	M3 jack x1 (Common use with PC In)	
PC In	Mini D-Sub 15-pin x 1 Plug & Play (VESA DDC 2B)	
Audio In (L/R)	M3 jack x 1 (Common use with DVI-D In)	
Wireless I/F	Wireless Module (ET-WM200U) Terminal x 1	
Electronic Pen Adaptor Terminal	Electronic Pen Adaptor Terminal x 1*3	
External Memory/ Electronic Pen Recharger Terminal	External Memory*3 and Electronic Pen Recharger Terminal x 1	
Electronic Pen Recharger Terminal	Electronic Pen Recharger Terminal x 1	
Function Slot: SLOT2.0	1 (Vacant)	
<b>CONTROL</b>		
LAN	RJ45 10 BASE-T/100 BASE-TX, Compatible with PLink™	
Serial	D-Sub 9-pin x 1 (External Control Terminal), RS-232C Compatible	
<b>SOUND</b>		
Built-in Speakers	8 Ω, 20 W [10 W + 10 W] (10 % THD)	
External Speaker	8 Ω, 20 W [10 W + 10 W] (10 % THD)	6 Ω, 16 W [8 W + 8 W] (10 % THD)
<b>ELECTRICAL</b>		
Power Requirements	110-127 V AC, 50 Hz/60 Hz	
Power Consumptions	550 W	400 W
Power off Condition	Approx. 0.2 W	Approx. 0.2 W
Stand-by Condition	Approx. 0.4 W	Approx. 0.4 W
<b>MECHANICAL</b>		
Dimensions (W x H x D)	61.2" x 36.5" x 3.9" (1,554 x 925 x 99 mm)	47.7" x 28.5" x 3.5" (1,210 x 724 x 89 mm)
Weight	Approx. 127.9 lbs. (Approx. 58 kg)	Approx. 75.0 lbs. (Approx. 34 kg)
<b>ENVIRONMENTAL</b>		
Operating Environment	Temperature: 32 °F to 104 °F (0 °C to 40 °C), Humidity: 20 % to 80 % (Non condensation) Altitude: 0 to 9,100 feet (0 to 2,800 m)	

## Electronic Pen

Transmission System	2.4 GHz Radio Transmission
Power Source	Lithium-ion Polymer Rechargeable Battery
External Dimensions (L x H)	7.92" x 0.84" (201.2 mm x 21.3 mm)/ 9.42" x 1.00" (239.2 mm x 25.4 mm) (with optical attachment)
Weight	Approx. 0.09 lbs (Approx. 43 g) / Approx. 0.12 lbs. (Approx. 55 g) (with optical attachment)
Remote Pointer Operating Range	From Directly in Front: 197" (5 m), from a 45° Angle: 118" (3 m)
Operation Time	Approx. 5 hours
Charging Time	Approx. 4 hours

## Optional Accessories

Model No.	TH-65PB2U	TH-50PB2U
Pedestal	TY-ST65P20	TY-ST42P50
Wall-hanging Bracket	TY-WK65PR20 (Vertical/Angled)	TY-WK42PV20 (Vertical/Angled)
Mobile Stand (Black)	TY-ST65PB2	TY-ST50PB2
Electronic Pen	TY-TPEN2	
Electronic Pen Adaptor	TY-TAD20	
Recharger (for Electronic Pen)	TY-TCG20	
Wireless Module	ET-WM200U	
Easy Wireless Stick	ET-UW100U	
BNC Dual Video Terminal Board	TY-FB9BD	
DVI-D Terminal Board	TY-FB11DD	
Dual HDMI Terminal Board	TY-FB10HMD	
HD-SDI Terminal Board	TY-FB9HD	
HD-SDI with Audio Terminal Board	TY-FB10HD	
Dual Link HD-SDI Terminal Board	TY-FB11DHD	

## Included Accessories

Operating Instructions, Software CD-ROM x 1, Remote Control Transmitter, Batteries, Clamper, AC Power Cord, Electronic Pen Set (Electronic Pen x 1, Optical Attachment x 1, Electronic Pen Adaptor x 1, Pen Holder with Charger x 1, Recharger Cable [2 m] x 1, Extension Cable [2 m] x 2, Pen Tip [Replacement] x 1, Eraser Tip [Replacement] x 1, Mounting Bracket x 1, Stand x 1)

\*1: The dark-room contrast ratio of the panel unit that can be displayed simultaneously on the same screen. Measured in "Dynamic" picture mode using a white signal in a 4% window.  
\*2: Guideline operating hours before the panel brightness is reduced to half when the panel is used to display motion pictures in the Standard mode. Afterimages (burned-in images) and malfunctions are not taken into consideration.  
\*3: Only effective when using Easy whiteboard function.