FULL HD 1920×1080p   PJLink™   HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE   SLOT 2.0   NANODRIFT

TH-50PB2E   50-INCH INTERACTIVE PLASMA DISPLAY

Write Exactly Where You Want

The Electronic Pen detects the plasma illumination position in full-HD pixel units, letting you write comfortably and accurately. In addition to writing and erasing, the Electronic Pen can be used for marking or pointing from a distance, greatly increasing its versatility.
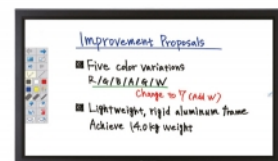
Easy, Wireless Presentations

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.

Easy Start-Up, Integrated Whiteboard Functions

Integrated whiteboard functions require no PC for use. Simply turn on the power 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
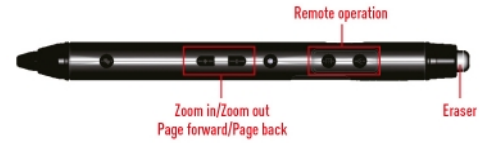
Product Specification

Model No.	TH-50PB2E
DISPLAY	
Screen Size (Diagonal)	50-inch (1,268 mm)
Aspect Ratio	16:9
Effective Display Area (W x H)	1,105 x 622 mm
Number of Pixels	1,920 x 1,080 pixels
Contrast Ratio	5,000,000:1
Gradation	6,144 steps (Equivalent)
Panel Life Time	Approx. 100,000 hours
Touch Technology	Plasma Light Detection System
IR Reduction Filter	Yes
Anti-Glare Filter	Yes
CONNECTION TERMINAL	
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-WM200E) Terminal x 1
Electronic Pen Adaptor Terminal	Electronic Pen Adaptor Terminal x 1
External Memory/ Electronic Pen Recharger Terminal	External Memory and Electronic Pen Recharger Terminal x 1
Electronic Pen Recharger Terminal	Electronic Pen Recharger Terminal x 1
Function Slot: SLOT2.0	1 (Vacant)
CONTROL	
LAN	RJ45 10 BASE-T/100 BASE-TX, Compatible with PJLink™
Serial	D-Sub 9-pin x 1 (External Control Terminal), RS-232C Compatible
SOUND	
Built-in Speakers	8 Ω, 20 W [10 W + 10 W] (10 % THD)
External Speaker	6 Ω, 16 W [8 W + 8 W] (10 % THD)
ELECTRICAL	
Power Requirements	AC 220-240 V, 50 Hz/60 Hz
Power Consumptions	375 W
Power off Condition	Approx. 0.3 W
Stand-by Condition	Approx. 0.5 W
MECHANICAL	
Dimensions (W x H x D)	1,210 x 724 x 89 mm
Weight	Approx. 34 kg
ENVIRONMENTAL	
Operating Environment	Temperature: 0 ˚C to 40 ˚C, Humidity: 20 % to 80 % (Non condensation) Altitude: 0 to 2,800 m
ELECTRONIC PEN	
Transmission System	2.4 GHz Radio Transmission
Power Source	Lithium-ion Polymer Rechargeable Battery
External Dimensions (LxH)	201.2 x 21.3 mm (239.2 x 25.4 mm with Optical Attachment)
Weight	Approx. 43 g (With Optical Attachment Mounted: 55 g)
Remote Pointer Operating Range	From Directly in Front: 5 m, from a 45° Angle: 3 m
Operation Time	Approx. 5 hours
Charging Time	Approx. 4 hours
OPTIONAL ACCESSORIES	
Pedestal	TY-ST42P50
Wall-hanging Bracket	TY-WK42PV20 / TY-WK42PR20 (Angled)
Mobile Stand (Black)	TY-ST50PB2
Electronic Pen	TY-TPEN2
Electronic Pen Adaptor	TY-TAD20
Recharger (for Electronic Pen)	TY-TCG20
Wireless Module	ET-WM200E
Easy Wireless Stick	ET-UW100
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] x1, Mounting Bracket x1, Stand x1)

Easy whiteboard function

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

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.

Wide viewing angle, excellent visibility

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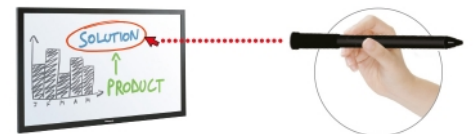

Picture-in-picture function

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.

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

Built-in Speaker

A speaker is built into the rear of the display for convenience when using recorded content and teaching materials equipped with sound.

For more information about Panasonic displays, please visit:
Display Web Site – business.panasonic.co.uk/visual-system

Panasonic