

INTERACTIVE MULTI-TOUCH
PROFESSIONAL DISPLAYS
WITH INFRARED TECHNOLOGY



EQ1-IR Series

EQ1-IR Series

Basic specifications

	TH-43EQ1-IR	TH-50EQ1-IR	TH-55EQ1-IR	TH-65EQ1-IR	TH-75EQ1-IR	TH-86EQ1-IR
SCREEN SIZE (diagonal)	43-inch (108cm)	50-inch (125cm)	55-inch (139cm)	65-inch (164cm)	75-inch (189cm)	86-inch (218cm)
LED PANEL/ BACKLIGHT	VA Panel/D-LED			IPS Panel/E-LED		
RESOLUTION	3840 x 2160					
TOUCH DETECTION	Infrared Touch					
TOUCH OPERATION	Multi-touch – up to 20 simultaneous touchpoints					



Ideal for

- 'Bring Your Own Device' (BYOD) environments,
- Classrooms and seminar rooms,
- Meeting rooms,
- Offices,
- Lecture theatres,
- Presentation rooms,
- Control rooms,
- Public digital signage.

Interactive touch screens designed for collaboration & teamwork

- Wide range of sizes, from 43" to 86", to meet any space requirements.
- Multi-touch screen integrated HID infrared touch frame with 20 simultaneous touchpoints increases usability and participant involvement.
- Flexible installation (landscape, portrait or back-tilt 20°)
- 4k ultra HD resolution delivering the highest detail and image quality.

Built for practicality

- Created with safety and ease of use in mind, the touch screens are perfect for use in schools and other education spaces.
- The screens are built with protection tempered anti-glare glass with only 4mm thickness for small size displays and 6mm for larger sizes (75" and 86").
- The larger size (75" and 86") come with a handy carrying handle to ensure efficient and safe mobility.

Cost-effective collaboration

- As with all the Panasonic interactive range, the EQ1-IR displays can be used with the Panasonic Whiteboard Software for Windows or Mac, including a whiteboard mode, PowerPoint® presentation mode – as well as Video and Screen Capture functions.
- The EQ1-IR includes a wide range of flexible functions and extended connectivity from the main EQ1 series.

EQ1-IR Series

Specification table

	Model no.	TH-86EQ1-IR	TH-75EQ1-IR	TH-65EQ1-IR	TH-55EQ1-IR	TH-50EQ1-IR	TH-43EQ1-IR
DISPLAY PANEL	Screen Size /Aspect Ratio	86-inch (2175 mm)	75-inch (1893 mm)	65-inch (1639 mm)	55-inch (1388 mm)	50-inch (1258 mm)	43-inch (1080 mm)
	Panel Type	IPS Panel/ E-LED			VA panel / D-LED		
	Effective Display Area (W x H)	1895 x 1065 mm (74.6" x 41.9")	1649 x 927 mm (64.9" x 36.5")	1428 x 803 mm (56.2" x 31.6")	1209 x 680 mm (47.6" x 26.7")	1095 x 616 mm (43.1" x 24.2")	941 x 529 mm (37.0" x 20.8")
	Resolution (H x V)	3840 x 2160					
	Brightness (Typ)	TBD					
	Contrast Ratio	1200:1	1200:1	4000:1(Typ)			
	Dynamic Contrast Ratio	50000:1					
	Response Time	8.0 ms (Typ) (G to G)					
	Viewing Angle (Horizontal/ Vertical)	178°/178° (CR>10)					
	Panel Surface Treatment	Anti-reflective protection glass	Anti-reflective protection glass	Anti-reflective protection glass	Anti-reflective protection glass	Anti-reflective protection glass	Anti-reflective protection glass
TOUCH	Detection Method	Infrared Blocking Detection Method					
	Touch Operation	Up to 20-point multi-touch*1					
TERMINAL	VIDEO In	4-pole Mini Jack (M3) x 1					
	Audio In(L/R)	Stereo Mini Jack (M3) x 1					
	HDMI In	HDMI Type A Connector x 2 (HDCP 2.2)					
	Component/RGB In	-					
	Audio In (L/R)	Stereo Mini Jack (M3) x 1					
	DVI-D In	DVI-D 24-pin x 1, DVI Revision 1.0 Compatible (HDCP 1.1 supported)					
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D IN and PC IN)					
	PC In	Mini D-Sub 15-pin x1 (Female) (Compatible with DDC 2B)					
	Audio In (L/R)	Stereo Mini Jack (M3) x 1					
	PC Out	-					
	USB*2	USB Type A Connector x 1, DC 5 V/2 A (USB 3.0 supported.)					
	Serial In	D-sub 9pin x 1, RS-232C Compatible					
	DIGITAL LINK	-					
LAN	RJ45 x 1, 10BASE-T / 100BASE-TX, 1000BASE-T Compatible with PLink™						
Function Slot	-						
GENERAL	Power Requirements	110-127 V AC, 50/60 Hz, 220-240 V AC, 50/60 Hz					
	On-mode Average Power Consumption*3	231 W	195 W	163 W	141 W	124 W	112 W
	Power off Condition	Approx. 0.3 W					
	Stand-by Condition	Approx. 0.5 W					
	Dimensions (W x H x D)	1973 x 1144 x 105 mm	1732 x 1011 x 77 mm	1507 x 883 x 97 mm	1293 x 763 x 77 mm	1172 x 693 x 85 mm	1030 x 619 x 77 mm
	Carton Size	2224 x 1427 x 373 mm	2059 x 1369 x 361 mm	1655 x 1078 x 280 mm	1365 x 864 x 185 mm	1238 x 795 x 185 mm	1070x 696 x 159 mm
	Weight	Approx. 116 kg (255.2 lbs.)	Approx. 85 kg (187.4 lbs.)	Approx. 55 kg (97.0 lbs.)	Approx. 35.5 kg (78.3 lbs.)	Approx. 26.5 kg (58.3 lbs.)	Approx. 14 kg (30.9 lbs.)
	Gross Weight	Approx. 139 kg (305.8 lbs.)	Approx. 122 kg (268.9 lbs.)	Approx. 66 kg (145.2 lbs.) TBD	Approx. 44.0 kg (97.0 lbs.)	Approx. 31 kg (70.4 lbs)	Approx. 23 kg (50.7 lbs.)
	Pitch for Wall-Hanging	600 x 400 mm (23.6" x 15.8") VESA Compliant		400 x 400 mm (15.8" x 15.8") VESA Compliant	400 x 200 mm (15.8" x 7.9") VESA Compliant	400 x 400 mm (15.8" x 15.8") VESA Compliant	200 x 200 mm (7.9" x 7.9") VESA Compliant
	Protective Glass Thickness	6mm		4mm			
	Built-in Speaker	20 W (10 W + 10 W)					
	Orientation	Landscape / Portrait					
	Tilting Angle	0-20 degrees forward with landscape*4					
	Operating Environment	Temperature: 0° to 40°C (for up to 1400 m altitude) Humidity: 20% to 80% (No condensation) Altitude: 0 to 2800 m (Depending on the temperature or humidity conditions, uneven brightness may be observed. This is not a malfunction. This unevenness will disappear while applying current continuously.)					
	Storage Environment	Temperature: -20°C to 60°C Humidity: 20% to 80% (No condensation)					
Operating Time*5	24 h/day		18 h/day				
OPTIONS	Pedestal		TY-ST75PE9	TY-ST55PE9	TY-ST43PE8		
	SNMP support	Ver. 3.0					
	Content Management Software	Ver. 3.0 or later. Windows only					
	Multi Monitoring & Control Software	Ver. 2.1 Windows only					
	Early Warning Software	ET-SWA100 Series					
Whiteboard Software*6	Downloadable for free						

Specifications and appearance are subject to change without notice.

*1: When using the Panasonic Whiteboard Software for Windows®. Up to 4-point using the Whiteboard Software for Mac.

*2: Due to the terminal block construction, some connection cables and USB memory devices cannot be used. Be sure to check the "CONNECTION TERMINAL" information in the product specification sheet.

*3: Based on IEC 62087 Ed.2 measurement method

*4: Please contact your sales representative with regard to the tilt angle before installation.

*5: In case of running for a long time, the moving image is recommended to be displayed. If you display a still picture for an extended period, the image retention might remain on the screen. However, image retention can gradually disappear by displaying movie images. Extended period, the image retention might remain on the screen. However, image retention can gradually disappear by displaying a moving images.

*6: Downloadable for free. For more information, please visit Global website. <https://panasonic.net/cns/prodispays/download/software/>

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