Panasonic
BUSINESS

LFE8-IR and EF1-IR Series
Interactive multi-touch professional displays with Infrared technology

Basic specifications

	TH-43LFE8-IR	TH-48LFE8-IR	TH-55LFE8-IR	TH-65EF1-IR	TH-75EF1-IR	TH-84EF1-IR
Screen size (diagonal)	43-inch (108cm)	48-inch (121cm)	55-inch (139cm)	65-inch (164cm)	75-inch (189cm)	84-inch (213cm)
LED panel/ backlight	VA Panel/ D-LED		IPS Panel/ Direct-LED	VA Panel/ D-LED	IPS Panel/ E-LED	
Resolution	1920 x 1080					
Brightness	350 cd/m² (typ)				410 cd/m² (typ)	350 cd/m² (typ)
Touch Detection	Infrared Touch					
Touch operation	Multi-touch up to 10 points					

Ideal for:
- Bring your own device (BYOD) environments
- Classrooms and seminar rooms
- Meeting rooms
- Offices
- Lecture theatres
- Presentation rooms
- Flexible installation (landscape or portrait)

Interactive touch screens designed for collaboration
- Wide range of sizes, from 43" to 84", to meet any space requirements.
- Multi-touch screen increases usability and participant involvement

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 glass covered with a film to prevent scattering and they also come with a carrying handle to help you move them safely.

Cost-effective collaboration
- Like the rest of the Panasonic interactive range, the LFE8-IR and EF1-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

LFE8-IR Series

43"

48"

55"

	Model no.	TH-43LFE8-IR	TH-48LFE8-IR	TH-55LFE8-IR
DISPLAY PANEL	Screen Size /Aspect Ratio	43-inch (1079 mm)/16:9	48-inch (1209 mm)/16:9	55-inch (1387 mm)/16:9
	Panel Type	VA Panel/D-LED		IPS Panel/D-LED
	Effective Display Area (W x H)	940 x 529 mm (37.0" x 20.8")	1054 x 592 mm (41.5" x 23.3")	1209 x 680 mm (47.6" x 26.8")
	Resolution (H x V)	1920 x 1080		
	Brightness (Typ)	350 cd/m2		
	Contrast Ratio	3000:1	4000:1	1200:1
	Response Time	6.5 ms (G to G)	8 ms (G to G)	9 ms (G to G)
	Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	178°/178° (CR≥20)	
TOUCH	Detection Method	Infrared Blocking Detection Method		
	Touch Operation	Up to 10-point multi-touch*1		
TERMINAL	VIDEO In	Mini Jack (M3) x 1		
	Audio In(L/R)	—		
	HDMI In	HDMI TYPE-A Connector x 2.		
	Component/RGB In	—		
	Audio In (L/R)	—		
	DVI-D In	DVI-D 24-pin x 1		
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with PC In)		
	PC In	Mini D-sub 15-pin x 1		
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)		
	PC Out	—		
	USB	TYPE A USB Connector 5V DC/1A (USB 3.0 is not supported.)		
	Serial In	D-sub 9-pin x 1, RS-232C Compatible		
	DIGITAL LINK	—		
	LAN	RJ45 x 1 10BASE-T/100BASE-TX, Compatible with PJLink™		
	Function Slot	—		
GENERAL	Power Requirements	220-240 V AC, 50 Hz/60 Hz		
	Power Consumption	135W	155W	175 W
	Power off Condition	Approx. 0.3 W		
	Stand-by Condition	Approx. 0.5 W		
	Dimensions (W x H x D)	1030 x 619 x 77 mm (40.5" x 24.4" x 3.0")	Approx. 1130 x 669 x 77 mm (44.5" x 26.3" x 3.0") TBD	1293 x 763 x 77 mm (50.9" x 30.0" x 3.0")
	Carton Size	1070 x 696 x 159 mm (42.2" x 27.4" x 6.3")	1192 x 773 x 171 mm (47.0" x 30.5" x 6.8")	1365 x 864 x 185 mm (53.7" x 34.0" x 7.3")
	Bezel width	39,5mm (1.5")		
	Weight	Approx.14 kg (30.9 lbs.)	Approx.17kg (37.5 lbs) TBD	Approx. 35.5 kg (78.3 lbs.)
	Gross Weight	Approx.23 kg (50.7 lbs.)	Approx. 28kg (61.7lbs) TBD	Approx. 44.0 kg (97.0 lbs.)
	Pitch for Wall-Hanging	VESA Compliant 200 x 200 mm		VESA Compliant 400 x 400 mm
	Protective Glass Thickness	Approx. 4 mm (0.16")		
	Built-in Speaker	20 W [10W + 10 W] (10% THD)		
	Orientation	Landscape/Portrait		
	Tilting Angle	0-20 degrees forward with landscape setting		
	Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F) / Humidity: 20 % to 80 % (Non Condensation)		
	Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non Condensation)		
	Operating Time	16 h/day		
OPTIONS	Pedestal	TY-ST55PE9		
	Early Warning Software	ET-SWA100 Series		

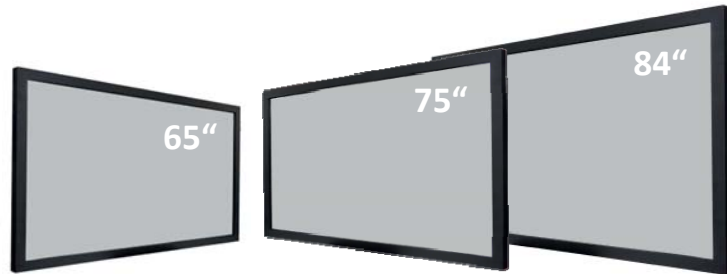*1: When using the Panasonic Whiteboard Software for Windows®. Up to 4-point using the Whiteboard Software for Mac.
*2: In case running for a long time, the moving image is recommended to be displayed. If you display a still picture for an extended period, the image retention might remain on the screen. However, image retention can gradually disappear by displaying a moving images.

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EF1-IR Series

65" 75" 84"

	Model no.	TH-65EF1-IR	TH-75EF1-IR	TH-84EF1-IR
DISPLAY PANEL	Screen Size/Aspect Ratio	65-inch (1638 mm)/16:9	75-inch (1892 mm)/16:9	84-inch (2134 mm)/16:9
	Panel Type	VA Panel/D-LED	IPS Panel/E-LED	
	Effective Display Area (W x H)	1428 x 803 mm (56.2" x 31.6")	1649 x 927 mm (65.0" x 36.5")	1860 x 1046 mm (73.2" x 41.1")
	Resolution (H x V)	1920 x 1080		
	Brightness (Typ)	350 cd/m2	410 cd/m2	350 cd/m2
	Contrast Ratio	4000:1	1200:1	1400:1
	Response Time	8 ms (G to G)		5.0 ms (G to G)
	Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥20)	178°/178° (CR≥10)	
TOUCH	Detection Method	Infrared Blocking Detection Method		
	Touch Operation	Up to 10-point multi-touch*1		
TERMINAL	VIDEO In	4-pole Mini Jack (M3) x 1		
	Audio In(L/R)	—		
	HDMI In	HDMI TYPE-A Connector x 2		
	Component/RGB In	—		
	Audio In (L/R)	—		
	DVI-D In	DVI-D 24-pin x 1		
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with PC In)		
	PC In	Mini D-sub 15-pin x 1		
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)		
	PC Out	—		
	USB	TYPE A USB Connector DC 5V/1A (USB 3.0 is not supported.)		
	Serial In	D-sub 9-pin x 1, RS-232C Compatible		
	DIGITAL LINK	—		
	LAN	RJ45 x 1 10BASE-T/100BASE-TX, Compatible with PJLink™		
	Function Slot	—		
GENERAL	Power Requirements	220-240 V AC, 50 Hz/60 Hz		
	Power Consumption	180W	290W	540W
	Power off Condition	Approx. 0.3 W		
	Stand-by Condition	Approx. 0.5 W		
	Dimensions (W x H x D)	Approx. 1525 x 894 x 82 mm (60.0" x 35.2" x 3.2") TBD	1732 x 1011 x 77 mm (68.2" x 39.8" x 3.0")	Approx. 1990 x 1180 x 78 mm (78.3" x 46.4" x 3.1") TBD
	Carton Size	1655 x 1078 x 280 mm (65.2" x 42.5" x 11.1")	1831 x 1227 x 361 mm (72.1" x 48.3" x 14.3")	2059 x 1369 x 361 mm (81.1" x 53.9" x 14.3")
	Bezel width	39,5mm (1.5")		
	Weight	Approx. 35 kg (77.1 lbs) TBD	Approx. 85 kg (187.4 lbs)	Approx. 106 kg (233.7 lbs) TBD
	Gross Weight	Approx. 54 kg (119.0 lbs) TBD	Approx. 122 kg (268.9 lbs)	Approx. 155 kg (341.7 lbs) TBD
	Pitch for Wall-Hanging	VESA compliant 400x400mm	VESA compliant 600x400mm	VESA compliant 600x500mm
	Protective Glass Thickness	TBD Approx. 6 mm (0.24")	TBD Approx. 6 mm (0.24")	TBD Approx. 6 mm (0.24")
	Built-in Speaker	20 W [10W + 10 W] (10% THD)		
	Orientation	Landscape/Portrait	Landscape	Landscape/Portrait
	Tilting Angle	0-20 degrees forward with landscape setting		0-15 degrees forward landscape setting
	Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F) / Humidity: 20 % to 80 % (Non Condensation)		
	Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non Condensation)		
	Operating Time*5	16 h/day		
OPTIONS	Pedestal	TY-ST55PE9, TY-ST65PE8	—	—
	Early Warning Software	ET-SWA100 Series		

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