

# Panasonic®

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All information included here is valid as of May 2020

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# Panasonic

## BUSINESS



## Professional DISPLAYS

### Line-up Catalog May 2020



Worldwide  
Olympic Partner



Worldwide  
Paralympic Partner



# Panasonic Professional Displays Lineup

Standard

## SQ1 Series

500cd/m<sup>2</sup>

98" TH-98SQ1

86" TH-86SQ1

75" TH-75SQ1

65" TH-65SQ1

55" TH-55SQ1

49" TH-49SQ1



\*Actual resolution : 3840 x 2160p

## SF2H Series

700cd/m<sup>2</sup>

80" TH-80SF2H

70" TH-70SF2H

## SF1H Series

700cd/m<sup>2</sup>

55" TH-55SF1H

49" TH-49SF1H

42" TH-42SF1H



## LF80 Series

700cd/m<sup>2</sup>

55" TH-55LF80

49" TH-49LF80

42" TH-42LF80

## SF2 Series

450cd/m<sup>2</sup>

55" TH-55SF2

49" TH-49SF2

43" TH-43SF2



(LF80 Series only)

\* TH-55/49/43SF2W (for Asia, Middle East, Africa) only.

## OpenPort PLATFORM® Models

## AF1 Series

500cd/m<sup>2</sup>

55" TH-55AF1

49" TH-49AF1

42" TH-42AF1



\* The availability varies depending on model.

Entry

## EQ1 Series

350cd/m<sup>2</sup>

86" TH-86EQ1

75" TH-75EQ1

65" TH-65EQ1

55" TH-55EQ1

50" TH-50EQ1

43" TH-43EQ1



\*Actual resolution : (86EQ1/75EQ1 only)  
3840 x 2160p

## EF1 Series

350cd/m<sup>2</sup>

32" TH-32EF1



## LFE8 Series

350cd/m<sup>2</sup>

48" TH-48LFE8



# Panasonic Professional Displays Lineup

## Video Wall

VF2H 700cd/m<sup>2</sup> **NEW**  
55"  
TH-55VF2H

VF1H 700cd/m<sup>2</sup>  
55"  
TH-55VF1H

VF2 500cd/m<sup>2</sup> **NEW**  
55"  
TH-55VF2

LFV70 700cd/m<sup>2</sup>  
55"  
TH-55LFV70

LFV9 500cd/m<sup>2</sup>  
55"  
TH-55LFV9

LFV8 450cd/m<sup>2</sup>  
49"  
TH-49LFV8



(LFV9/LFV8 only)

(VF2H/VF2/VF1H/LFV70 only)

(VF2H/VF2 only)

(VF1H only)

(LFV70/LFV9/LFV8 only)

## Touch Screen

BQE1/  
BFE1 400cd/m<sup>2</sup>

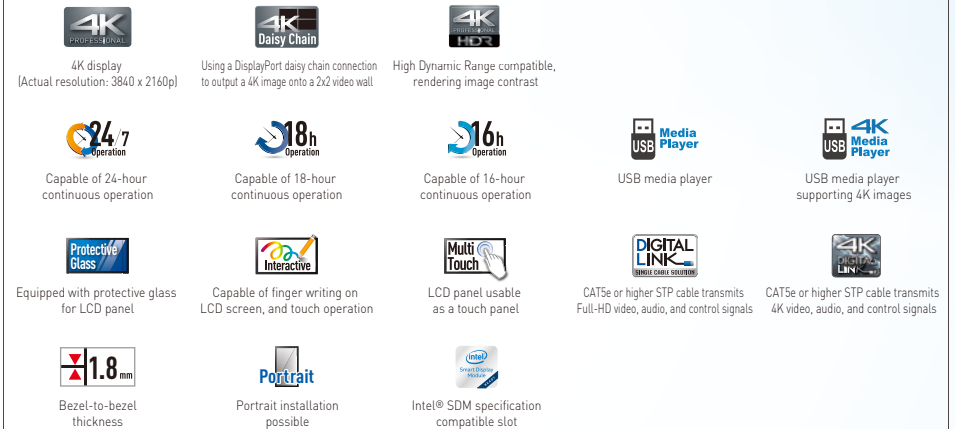
75" TH-75BQE1  
65" TH-65BFE1



(BQE1 only)

\*Actual resolution : 3840 x 2160p

## Pict Descriptions



## Model Number Legend

TH-86SQ1

TH: Display body  
86: Screen size  
S/L: Standard  
E/C: Entry  
V: Video wall  
B: Touch screen

F: Full HD  
Q: 4K UHD





Model no.	TH-98SQ1	TH-86SQ1
Screen Size (Diagonal)/Aspect Ratio	98-inch (2476.9 mm)/16:9	86-inch (2174.2 mm)/16:9
Panel Type	IPS / Direct LED	IPS / Edge LED
Effective Display Area (W x H)	2158.8 x 1214.3 mm (84.99" x 47.80")	1895.0 x 1065.9 mm (74.60" x 41.96")
Resolution (H x V)	3840 x 2160	3840 x 2160
Brightness (Typ)	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
Contrast Ratio	1300:1	1200:1
Dynamic Contrast Ratio	50000:1	50000:1
Response Time	8 ms (G to G)	8 ms (G to G)
Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	178°/178° (CR≥10)
Panel Surface Treatment	Anti-Glare (Haze 28 %)	Anti-Glare (Haze 28 %)
HDMI In	HDMI TYPE-A Connector x 2 <sup>*1</sup>	
DisplayPort In	DisplayPort x 1	
DisplayPort Out	DisplayPort x 1	
USB	USB Connector (TYPE-A) x 2, DC 5 V/2 A, DC 5V/1A (USB 3.0 Supported)	
DVI-D In	DVI-D 24-pin x 1	
Audio In (L/R)	Stereo Mini Jack (M3) x 2 (Shared with PC In)	
PC In	Mini D-sub 15-pin x 1 (Female) <sup>*2</sup>	
Audio In (L/R)	Stereo Mini Jack (M3) x 2 (Shared with DVI-D In)	
Audio Out	Stereo Mini Jack (M3) x 1	
Serial In	D-sub 9-pin x 1, RS232C Compatible	
LAN	RJ45 x 1, 10 BASE-T / 100 BASE-TX, Compatible with PLink™	
DIGITAL LINK	RJ45 x 1, 100 BASE-TX, Compatible with long reach mode and PLink™	
IR In/Out	Stereo Mini Jack (M3) x 1 / x 1	
Function Slot	x1 (Intel® SDM Specification Capability)	
Power Requirements	220-240 V AC, 50 Hz/60 Hz	
Power Consumption	685 W	480 W
Power Off Condition	Approx. 0.3 W	Approx. 0.3 W
Stand-by Condition	Approx. 0.5 W	Approx. 0.5 W
Dimensions (W x H x D)	2194 x 1249 x 90 *mm (86.35" x 49.15" x 3.54"*)	1928 x 1099 x 86 *mm (75.91" x 43.27" x 3.39"*)
Carton Size (W x H x D)	2513 x 1704 x 450 mm (98.9" x 67.1" x 17.7")	2224 x 1427 x 373 mm (87.6" x 56.2" x 14.7")
Bezel Width	16.0 mm (0.63") (T/B/L/R)	15.2 mm (0.6") (T/B/L/R)
Weight	Approx. 90.0 kg (198.5 lbs.)	Approx. 66.0 kg (145.5 lbs.)
Gross Weight	Approx. 138.0 kg (304.3 lbs.)	Approx. 89.0 kg (196.3 lbs.)
Pitch for Wall-Hanging	800 x 500 mm (31.5" x 19.7") VESA Compliant	600 x 400 mm (23.6" x 15.8") VESA Compliant
Protective Glass	—	
Built-in Speaker	20 W [10 W + 10 W]	
Orientation	Landscape/Portrait	
Tilting Angle	0-20 degrees forward/backward with landscape/portrait 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 <sup>*3</sup>	24 h/day	
3G-SDI Terminal Board	TY-SB01SS	TY-SB01SS
Wall-hanging Bracket	TY-WK98PV1	TY-WK98PV1
Early Warning Software <sup>*4</sup>	ET-SWA100/105 Series	ET-SWA100/105 Series
Digital Interface Box	ET-YFB100G	ET-YFB100G
DIGITAL LINK Switcher	ET-YFB200G	ET-YFB200G
Auto Display Adjustment Upgrade Kit <sup>*5</sup>	TY-VUK10	TY-VUK10

\*1: HDCP2.2 supported. \*2: RGB/YPbPr switchable.

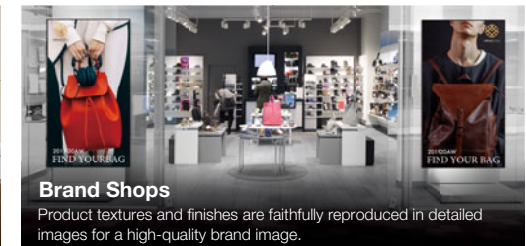
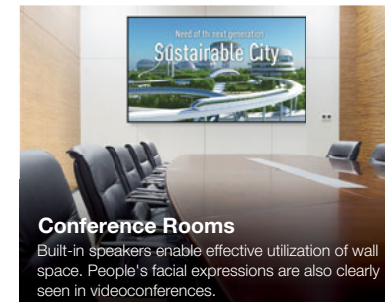
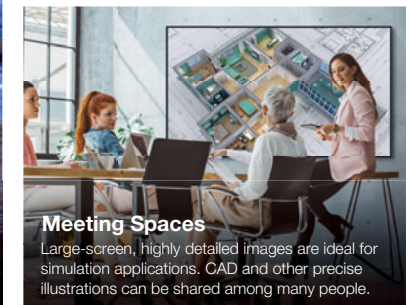
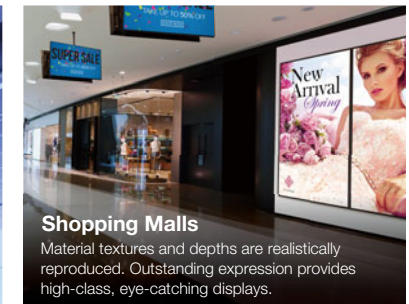
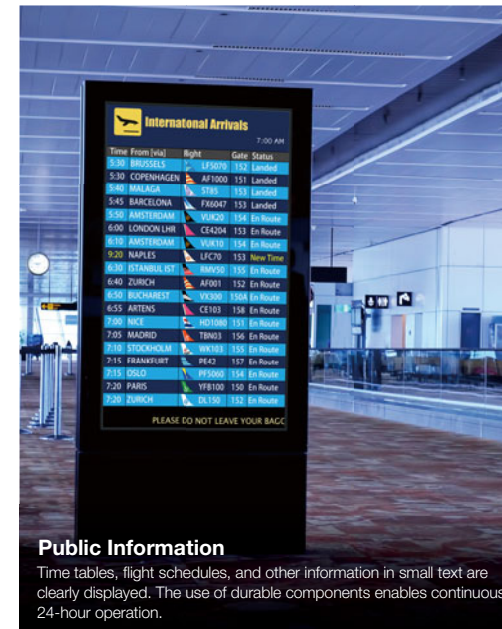
\*3: In case of long time, the moving image is recommended to be displayed. If you display a still picture for an extended period, the image retention might remain on the screen. However, image retention can gradually disappear by displaying a moving images.

\*4: Multi Monitoring & Control Software Ver.2.0 or later is required. Part number suffix may differ depending on the license type.

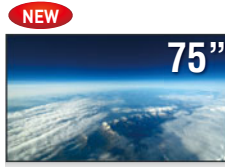
\*5: Download the latest Video Wall Manager from Global Website in advance. (<https://panasonic.net/cns/prodisplays/download/software/vwm/>)

★The handle part excluded, the thickness is 81 mm (3.17": TH-98SQ1)/76 mm (2.99": TH-86SQ1).

## A wide range of professional applications



# SQ1 Series



Standard

Model no.		TH-75SQ1	TH-65SQ1	TH-55SQ1	TH-49SQ1
DISPLAY PANEL	Screen size (Diagonal)/Aspect Ratio	75-inch (1892.7 mm)/16:9	65-inch (1638.9 mm)/16:9	55-inch (1387.8 mm)/16:9	49-inch (1232.0 mm)/16:9
	Panel Type	IPS/Edge LED	IPS/Edge LED	IPS/Edge LED	IPS/Edge LED
	Effective Display Area (W x H)	1649.6 x 927.9 mm (64.94" x 36.53")	1428.4 x 803.5 mm (56.23" x 31.63")	1209.6 x 680.4 mm (47.62" x 26.78")	1073.8 x 604.0 mm (42.27" x 23.77")
	Resolution (H x V)	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160
	Brightness	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
	Contrast Ratio	1200:1	1100:1	1100:1	1100:1
	Response Time	8.0 ms (G to G)	8.0 ms (G to G)	8.0 ms (G to G)	8.0 ms (G to G)
	Viewing Angle (Horizontal/Vertical)	178° / 178° (CR≥10)	178° / 178° (CR≥10)	178° / 178° (CR≥10)	178° / 178° (CR≥10)
Panel Surface Treatment		Anti-Glare (Haze 28 %)	Anti-Glare (Haze 28 %)	Anti-Glare (Haze 28 %)	Anti-Glare (Haze 28 %)
TERMINAL	HDMI In	HDMI TYPE A Connector x 2 (HDCP2.2 supported)		HDMI TYPE A Connector x 2 (HDCP2.2 supported)	
	DisplayPort In	DisplayPort x 1 (HDCP2.2 supported)*1		DisplayPort x 1 (HDCP2.2 supported)*1	
	DisplayPort Out	DisplayPort x 1 (HDCP1.4 supported)*1		DisplayPort x 1 (HDCP1.4 supported)*1	
	USB	USB Connector (TYPE-A) x 2, DC 5 V/2 A, DC 5V/1A (USB 3.0 Supported)		USB Connector (TYPE-A) x 2, DC 5 V/2 A, DC 5V/1A (USB 3.0 Supported)	
	DVI-D In	DVI-D 24-pin x 1 (DVI Revision 1.0 Compliant), HDCP 1.1 compatible		DVI-D 24-pin x 1 (DVI Revision 1.0 Compliant), HDCP 1.1 compatible	
	Audio In (L/R)	Stereo Mini Jack (M3) x 2 (Shared with PC In)		Stereo Mini Jack (M3) x 2 (Shared with PC In)	
	PC In	Mini D-sub 15-pin x 1 (Female)		Mini D-sub 15-pin x 1 (Female)	
	Audio In (L/R)	Stereo Mini Jack (M3) x 2 (Shared with DVI-D In)		Stereo Mini Jack (M3) x 2 (Shared with DVI-D In)	
	Audio Out	30 W (15 W + 15 W) 10% THD		30 W (15 W + 15 W) 10% THD	
	Serial In	D-Sub 9-pin x 1, RS232C Compatible		D-Sub 9-pin x 1, RS232C Compatible	
GENERAL	DIGITAL LINK	RJ45 x 1, 100 BASE-TX, Compatible with long reach mode and PLink™		RJ45 x 1, 100 BASE-TX, Compatible with long reach mode and PLink™	
	LAN	RJ45 x 1, 10 BASE-T / 100 BASE-TX, Compatible with PLink™		RJ45 x 1, 10 BASE-T / 100 BASE-TX, Compatible with PLink™	
	IR In/Out	Stereo Mini Jack (M3) x 1 / x 1		Stereo Mini Jack (M3) x 1 / x 1	
	Function Slot	x1 (Intel® SDM specification)		x1 (Intel® SDM specification)	
	Power Requirements	220-240 V AC, 50 Hz/60 Hz		220-240 V AC, 50 Hz/60 Hz	
GENERAL	Power Consumption	385 W (TBD)	320 W	300 W	285 W
	Power Off Condition	Approx. 0.3 W	Approx. 0.3 W	Approx. 0.3 W	Approx. 0.5 W
	Stand-by Condition	Approx. 0.5 W	Approx. 0.5 W	Approx. 0.5 W	Approx. 0.3 W
	Dimensions (W x H x D)	1681 x 959 x 73 mm (66.15" x 37.75" x 2.87")	1240 x 714 x 74 mm (48.82" x 28.09" x 2.91")	1240 x 714 x 74 mm (48.82" x 28.09" x 2.91")	1104 x 637 x 73 mm (43.48" x 25.08" x 2.88")
	Carton Size (W x H x D)	1832 x 1283 x 280 mm (72.13" x 50.52" x 11.03")	1642 x 1037 x 248 mm (64.7" x 40.9" x 9.8")	1404 x 879 x 203 mm (55.3" x 34.6" x 8.0")	1248 x 800 x 185 mm (49.2" x 31.5" x 7.8")
	Bezel Width	T/B/L/R :14.8 mm (0.58")	T:12.2 mm (0.48"), B:15.8 mm (0.62"), L/R:12.7 mm (0.50")	T:12.2 mm (0.48"), B:15.8 mm (0.62"), L/R:12.7 mm (0.50")	T/B:14.2 mm (0.56"), L/R:12.9 mm (0.51")
	Weight	Approx. 56.0 kg (123.5 lbs.) (TBD)	Approx. 36.0 kg (79.4 lbs.)	Approx. 25.5 kg (56.3 lbs.)	Approx. 21.0 kg (46.3 lbs.)
	Gross Weight	Approx. 71.0 kg (156.6 lbs.) (TBD)	Approx. 47.0 kg (103.7 lbs.)	Approx. 34.0 kg (75.0 lbs.)	Approx. 27.0 kg (59.6 lbs.)
	Pitch for Wall-Hanging	VESA compliant 400 x 400 mm (15.8" x 15.8")		VESA compliant 400 x 400 mm (15.8" x 15.8")	
	Built-in Speaker	Yes	Yes	Yes	Yes
	Orientation	Landscape/Portrait*2		Landscape/Portrait*2	
	Tilting Angle*3	Landscape setting: 0 - 45 degrees forward/backward (TBD) Portrait setting: 0 - 20 degrees forward/backward (TBD)	Landscape setting: 0 - 45 degrees forward/backward Portrait setting: 0 - 45 degrees forward/backward	Landscape setting: 0 - 45 degrees forward/backward Portrait setting: 0 - 45 degrees forward/backward	
	Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F)*4/0 °C to 35 °C (32 °F to 95 °F)*5, Humidity: 20 % to 80 % (No Condensation)		Temperature: 0 °C to 40 °C (32 °F to 104 °F)*4/0 °C to 35 °C (32 °F to 95 °F)*5, Humidity: 20 % to 80 % (No Condensation)	
	Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F), Humidity: 20 % to 80 % (No Condensation)		Temperature: -20 °C to 60 °C (-4 °F to 140 °F), Humidity: 20 % to 80 % (No Condensation)	
	Operating Time*6	24 h/day		24 h/day	
OPTIONS	3G-SDI Terminal Board	TY-SB01SS	TY-SB01SS	TY-SB01SS	TY-SB01SS
	Pedestal	TY-ST55PE9	TY-ST55PE9	TY-ST55PE9	TY-ST43PE9
	Wall-Hanging Bracket	TY-WK98PV1	TY-WK98PV1	—	—
	Digital Interface Box	ET-YFB100G	ET-YFB100G	ET-YFB100G	ET-YFB100G
	DIGITAL LINK Switcher	ET-YFB200G	ET-YFB200G	ET-YFB200G	ET-YFB200G
	Early Warning Software*7	ET-SWA100/105 Series	ET-SWA100/105 Series	ET-SWA100/105 Series	ET-SWA100/105 Series
	Auto Display Adjustment Upgrade Kit*8	TY-VUK10	TY-VUK10	TY-VUK10	TY-VUK10

\*1: Input: HDCP 2.2 Output: NG / Input: HDCP 1.4 Output: HDCP 1.4 / Input: No HDCP Output: No HDCP

\*2: When installing the display vertically, be sure that the power indicator comes to the right side.

\*3: Please contact your sales representative with regard to the tilt angle before installation.

\*4: For up to 1400 m (4593 ft) altitude.

\*5: For between 1400m (4593 ft) to 2800 m (9186 ft) altitude.

\*6: In case of 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.

\*7: Multi Monitoring & Control Software Ver. 2.1 or later is required. Part number suffix may differ depending on the license type.

\*8: Download the latest Video Wall Manager from Global Website in advance. (<https://panasonic.net/cns/prodisplays/download/software/vwm/>)

## 3G-SDI Terminal Board TY-SB01SS



This 3G-SDI terminal board is able to input 3G-SDI signals into displays supporting Intel® SDM specification.

\*This terminal board is supported only when the main software version of the display is 3.5000 or later and the sub software version of the display is 03.50 or later. For updates, please contact your Panasonic dealer.

# SF2H/SF1H Series



Model no.		TH-80SF2H	TH-70SF2H		TH-55SF1H	TH-49SF1H	TH-42SF1H
DISPLAY PANEL	Screen Size (Diagonal)/Aspect Ratio	80-inch (2032 mm)/16:9	70-inch (1765 mm)/16:9		55-inch (1387 mm)/16:9	49-inch (1232 mm)/16:9	42-inch (1064 mm)/16:9
	Panel Type	VA Panel/E-LED	VA Panel/E-LED		IPS Panel/E-LED	IPS Panel/E-LED	IPS Panel/E-LED
	Effective Display Area (W x H)	1771 x 996 mm (69.7" x 39.2")	1538 x 865 mm (60.5" x 34.0")		1209 x 680 mm (47.6" x 26.7")	1073 x 604 mm (42.2" x 23.7")	927 x 521 mm (36.5" x 20.5")
	Resolution (H x V)	1920 x 1080	1920 x 1080		1920 x 1080	1920 x 1080	1920 x 1080
	Brightness (Typ)*	700 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>		700 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>
	Contrast Ratio	5000:1	5000:1		1300:1	1300:1	1300:1
	Dynamic Contrast Ratio	50000:1	50000:1		50000:1	50000:1	50000:1
	Response Time	4.0 ms (G to G)	8.0 ms (G to G)		8 ms (G to G)	8 ms (G to G)	8 ms (G to G)
TERMINAL	Viewing Angle (Horizontal/Vertical)	176°/176° (CR≥10)	176°/176° (CR≥10)		178°/178° (CR≥10)	178°/178° (CR≥10)	178°/178° (CR≥10)
	Panel Surface Treatment	Anti-Glare (Haze 5 %)	Anti-Glare (Haze 12 %)		Anti-Glare (Haze 10 %)	Anti-Glare (Haze 10 %)	Anti-Glare (Haze 10 %)
	VIDEO In	4-pole Mini Jack (M3) x 1 (Audio In shared with DVI-D In/PC In/Video In)			BNC x 1 (Shared with Component /RGB Y/G)		
	Audio In (L/R)				Stereo Mini Jack (M3) x 1 (Shared with Component In)		
	HDMI In	HDMI Type A Connector x 2			HDMI Type A Connector x 2		
	Component/RGB In	—			BNC x 1 set (Shared with Video In)		
	Audio In (L/R)	—			Stereo Mini Jack (M3) x 1 (Shared with Video In)		
	DVI-D In	DVI-D 24-pin x 1 (DVI Revision 1.0 compliant), HDCP 1.1 compatible			DVI-D 24-pin x 1		
GENERAL	Audio In (L/R)	4-pole Mini Jack (M3) x 1 (Shared with PC/VIDEO In)			Stereo Mini Jack (M3) x 1 (Shared with PC In)		
	DVI-D Out	DVI-D 24-pin x 1 (DVI Revision 1.0 compliant), HDCP 1.1 compatible			DVI-D 24-pin x 1		
	PC In	Mini D-sub 15-pin x 1 (DDC2B compatible)			Mini D-Sub 15-pin x 1 (Female)		
	Audio In (L/R)	4-pole Mini Jack (M3) x 1 (Shared with DVI-D/VIDEO In)			Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)		
	Audio Out (L/R)	Stereo Mini Jack (M3) x 1			Stereo Mini Jack (M3) x 1		
	Serial In/Out	D-sub 9-pin x 1/x 1, RS-232C Compatible			D-sub 9-pin x 1/x 1, RS-232C Compatible		
	DIGITAL LINK	RJ45 x 1, 100BASE-TX, Compatible with PJLink™ (Shared with LAN)			RJ45 x 1 100BASE-TX, Compatible with PJLink™ (Shared with LAN)		
	LAN	RJ45 x 1, 100BASE-TX, Compatible with PJLink™ (Shared with DIGITAL LINK)			RJ45 x 1 100BASE-TX, Compatible with PJLink™ (Shared with DIGITAL LINK)		
OPTIONS	IR In/Out	Stereo Mini Jack (M3) x 1 / x 1			Stereo Mini Jack (M3) x 1 / x 1		
	USB	USB Type A Connector x 1, DC 5 V/1 A (USB 3.0 is not supported)			USB Type A Connector x 1, DC 5V/1A (USB 3.0 is not supported.)		
	Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz		220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
	Power Consumption	380 W	235 W		190 W	175 W	155 W
	Power Off Condition	Approx. 0.3 W	Approx. 0.3 W		Approx. 0.3 W	Approx. 0.3 W	Approx. 0.3 W
	Stand-by Condition	Approx. 0.5 W	Approx. 0.5 W		Approx. 0.5 W	Approx. 0.5 W	Approx. 0.5 W
	Dimensions (W x H x D)	1835 x 1060 x 82 mm (72.3" x 41.8" x 3.3")	1580 x 919 x 80 mm (62.2" x 36.2" x 3.2")		1229 x 699 x 72* mm (48.4" x 27.6" x 2.8"*)	1093 x 623 x 72* mm (43.1" x 24.6" x 2.8"*)	947 x 541 x 72* mm (37.3" x 21.3" x 2.8"*)
	Carton Size (W x H x D)	1970 x 1191 x 351 mm (77.6" x 46.9" x 13.9")	1715 x 1050 x 351 mm (67.6" x 41.4" x 13.9")		1444 x 922 x 223 mm (56.9" x 36.3" x 8.8")	1308 x 846 x 203 mm (51.5" x 33.4" x 8.0")	1123 x 743 x 203 mm (44.3" x 29.3" x 8.0")
TERMINAL	Bezel Width	R/L/T/B: 28.5 mm (1.12")	R/L: 18.6 mm (0.73"), T/B: 23.6 mm (0.92")		R/L/T/B: 6.3 mm (0.25")	R/L/T/B: 6.3 mm (0.25")	R/L/T/B: 6.3 mm (0.25")
	Weight	Approx. 62.0 kg (135.0 lbs.)	Approx. 45.0 kg (99.0 lbs.)		Approx. 24.9 kg (54.9 lbs.)	Approx. 19.2 kg (42.4 lbs.)	Approx. 15.5 kg (34.2 lbs.)
	Gross Weight	Approx. 73.0 kg (159.0 lbs.)	Approx. 55.0 kg (119.0 lbs.)		Approx. 33.0 kg (72.8 lbs.)	Approx. 26.0 kg (57.4 lbs.)	Approx. 20.0 kg (44.1 lbs.)
	Pitch for Wall-Hanging	VESA compliant 600 x 400 mm (23.6" x 15.8")	VESA compliant 400 x 400 mm (15.8" x 15.8")		VESA Compliant 400 x 400 mm (15.8" x 15.8")	VESA Compliant 400 x 400 mm (15.8" x 15.8")	VESA compliant 200 x 200 mm (7.9" x 7.9")
	Built-in Speakers	20 W [10 W + 10 W]	20 W [10 W + 10 W]		20 W [10 W + 10 W]	20 W [10 W + 10 W]	20 W [10 W + 10 W]
	Orientation	Landscape/Portrait (Angle adjustment 0-45 degrees for both left and right: landscape setting only)			Landscape/Portrait (Angle adjustment 0-45 degrees for both left and right)		
	Tilting Angle	0-20 degrees forward/backward with landscape/portrait setting (Angle adjustment is not possible for forward/backward tilting installation.)			0-45 degrees forward/backward with landscape/portrait setting* <sup>1</sup> (Angle adjustment is not possible for forward/backward tilting installation.)		
	Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F)* <sup>2</sup> : 0 °C to 35 °C (32 °F to 95 °F)* <sup>3</sup> / Humidity: 20 % to 80 % (Non-condensation)			Temperature: 0 °C to 40 °C (32 °F to 104 °F)* <sup>2</sup> : 0 °C to 35 °C (32 °F to 95 °F)* <sup>3</sup> / Humidity: 20 % to 80 % (Non-condensation)		
GENERAL	Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % ( Non-condensation)			Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non-condensation)		
	Operating Time* <sup>4</sup>	24 h/day			24 h/day		
	Pedestal	TY-ST75PE9	TY-ST75PE9		TY-ST43PE8	TY-ST43PE8	TY-ST43PE8
	Digital Interface Box	ET-YFB100G	ET-YFB100G		ET-YFB100G	ET-YFB100G	ET-YFB100G
	DIGITAL LINK Switcher	ET-YFB200G	ET-YFB200G		ET-YFB200G	ET-YFB200G	ET-YFB200G
	Early Warning Software* <sup>5</sup>	ET-SWA100 Series	ET-SWA100 Series		ET-SWA100 Series	ET-SWA100 Series	ET-SWA100 Series
	Auto Display Adjustment Upgrade Kit* <sup>6</sup>	TY-VUK10	TY-VUK10		TY-VUK10	TY-VUK10	TY-VUK10
	Multi Window Processor* <sup>7</sup>	ET-MWP100G	ET-MWP100G		ET-MWP100G	ET-MWP100G	ET-MWP100G

\*1: Please contact your sales representative with regard to the tilt angle before installation. \*2: For up to 1400 m (4593 ft) altitude.

\*3: For between 1400 m (4593 ft) and 2800 m (9186 ft) altitude.

\*4: In case of 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.

\*5: Multi Monitoring & Control Software Ver2.0 or later is required. Suffix of the part number may differ depending on the license type.

\*6: Download the latest Video Wall Manager from Global Website in advance. (<https://panasonic.net/cns/prodisplays/download/software/vwm/>)

\*7: The availability varies depending on the country.

+ The brightness of the display panel is equivalent to about 75% its full capacity, when the Light ID is transmitted. The displayed image may flicker, but this is due to a change in the brightness during Light ID transmission and not due to trouble.

★ The handle part excluded, the thickness is 57 mm (2.3").



# LF80 Series



Model no.		TH-55LF80	TH-49LF80	TH-42LF80
DISPLAY PANEL	Screen Size (Diagonal)/Aspect Ratio	55-inch (1387 mm)/16:9	49-inch (1232 mm)/16:9	42-inch (1064 mm)/16:9
	Panel Type	IPS Panel/E-LED	IPS Panel/E-LED	IPS Panel/E-LED
	Effective Display Area (W x H)	1209 x 680 mm (47.6" x 26.7")	1073 x 604 mm (42.2" x 23.7")	927 x 521 mm (36.5" x 20.5")
	Resolution (H x V)	1920 x 1080	1920 x 1080	1920 x 1080
	Brightness (Typ)	700 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>
	Contrast Ratio	1300:1	1300:1	1300:1
	Dynamic Contrast Ratio	50000:1	50000:1	50000:1
	Response Time	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)
TERMINAL	Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	178°/178° (CR≥10)	178°/178° (CR≥10)
	Panel Surface Treatment	Anti-Glare (Haze 10 %)	Anti-Glare (Haze 10 %)	Anti-Glare (Haze 10 %)
	VIDEO In	BNC x 1 (Shared with Component /RGB Y/G)		BNC x 1 (Shared with Component /RGB Y/G)
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with Component In)		Stereo Mini Jack (M3) x 1 (Shared with Component In)
	HDMI In	HDMI Type A Connector x 2		HDMI Type A Connector x 2
	Component/RGB In	BNC x 1 set (Shared with Video In)		BNC x 1 set (Shared with Video In)
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with Video In)		Stereo Mini Jack (M3) x 1 (Shared with Video In)
	DVI-D In	DVI-D 24-pin x 1		DVI-D 24-pin x 1
GENERAL	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with PC In)		Stereo Mini Jack (M3) x 1 (Shared with PC In)
	DVI-D Out	DVI-D 24-pin x 1		DVI-D 24-pin x 1
	PC In	Mini D-Sub 15-pin x 1 (Female)		Mini D-Sub 15-pin x 1 (Female)
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)		Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)
	Audio Out (L/R)	Stereo Mini Jack (M3) x 1		Stereo Mini Jack (M3) x 1
	Serial In/Out	D-sub 9-pin x 1/x 1, RS-232C Compatible		D-sub 9-pin x 1/x 1, RS-232C Compatible
	DIGITAL LINK	RJ45 x 1 100BASE-TX, Compatible with PLink™ (Shared with LAN)		RJ45 x 1 100BASE-TX, Compatible with PLink™ (Shared with LAN)
	LAN	RJ45 x 1 100BASE-TX, Compatible with PLink™ (Shared with DIGITAL LINK)		RJ45 x 1 100BASE-TX, Compatible with PLink™ (Shared with DIGITAL LINK)
OPTIONS	IR In/Out	Stereo Mini Jack (M3) x 1 / x 1		Stereo Mini Jack (M3) x 1 / x 1
	USB	USB Type A Connector x 1, DC 5V/1A (USB 3.0 is not supported.)		USB Type A Connector x 1, DC 5V/1A (USB 3.0 is not supported.)
	Power Requirements	220-240 V AC, 50 Hz/60 Hz		220-240 V AC, 50 Hz/60 Hz
	Power Consumption	190 W		155 W
	Power Off Condition	Approx. 0.3 W		Approx. 0.3 W
	Stand-by Condition	Approx. 0.5 W		Approx. 0.5 W
	Dimensions (W x H x D)	1229 x 699 x 72*mm (48.4" x 27.6" x 2.8"*)	1093 x 623 x 72*mm (43.1" x 24.6" x 2.8"*)	947 x 541 x 72*mm (37.3" x 21.3" x 2.8"*)
	Carton Size (W x H x D)	1444 x 922 x 223 mm (56.9" x 36.3" x 8.8")	1308 x 846 x 203 mm (51.5" x 33.4" x 8.0")	1123 x 743 x 203 mm (44.3" x 29.3" x 8.0")
GENERAL	Bezel Width	6.3 mm (0.25")		6.3 mm (0.25")
	Weight	Approx. 24.7 kg (54.5 lbs.)		Approx. 15.3 kg (33.7 lbs.)
	Gross Weight	Approx. 32.0 kg (70.6 lbs.)		Approx. 20.0 kg (44.1 lbs.)
	Pitch for Wall-Hanging	VESA Compliant 400 x 400 mm (15.8" x 15.8")		VESA compliant 200 x 200 mm (7.9" x 7.9")
	Built-in Speakers	20 W [10 W + 10 W]		20 W [10 W + 10 W]
	Orientation	Landscape/Portrait (Angle adjustment 0-45 degrees for both left and right)		Landscape/Portrait (Angle adjustment 0-45 degrees for both left and right)
	Tilting Angle	0-45 degrees forward/backward with landscape/portrait setting*1 (Angle adjustment is not possible for forward/backward tilting installation.)		0-45 degrees forward/backward with landscape/portrait setting*1 (Angle adjustment is not possible for forward/backward tilting installation.)
	Operating Environment	Temperature: 0 °C to 40 °C (32°F to 104°F)*3 : 0 °C to 35 °C (32 °F to 95 °F)*4 / Humidity: 20 % to 80 % (Non-condensation)		Temperature: 0 °C to 40 °C (32°F to 104°F)*3 : 0 °C to 35 °C (32 °F to 95 °F)*4 / Humidity: 20 % to 80 % (Non-condensation)
OPTIONS	Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non-condensation)		Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non-condensation)
	Operating Time*5	24 h/day		24 h/day
	Pedestal	TY-ST43PE8		TY-ST43PE8
	Digital Interface Box	ET-YFB100G		ET-YFB100G
	DIGITAL LINK Switcher	ET-YFB200G		ET-YFB200G
	Early Warning Software*6	ET-SWA100 Series		ET-SWA100 Series
	Auto Display Adjustment Upgrade Kit*7	TY-VUK10		TY-VUK10
	Multi Window Processor*8	ET-MWP100G		ET-MWP100G

\*1: Please contact your sales representative with regard to the tilt angle before installation.

\*2: If the temperature is 40 °C to 60 °C (104 °F to 140 °F), please keep in humidity 20 % to 40 %.

\*3: For up to 1400 m (4593 ft) altitude.

\*4: For between 1400 m (4593 ft) and 2800 m (9186 ft) altitude.

\*5: In case of 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.

\*6: Multi Monitoring & Control Software Ver2.0 or later is required. Suffix of the part number may differ depending on the license type.

\*7: Download the latest Video Wall Manager from Global Website in advance. (<https://panasonic.net/cns/prodisplays/download/software/vwm/>)

\*8: The availability varies depending on the country.

★ The handle part excluded, the thickness is 57 mm (2.3").



Model no.		TH-55SF2	TH-49SF2	TH-43SF2
DISPLAY PANEL	Screen Size (Diagonal)/Aspect Ratio	55-inch (1387 mm)/16:9	49-inch (1232 mm)/16:9	43-inch (1079 mm)/16:9
	Panel Type	IPS Panel/E-LED	IPS Panel/E-LED	IPS Panel/E-LED
	Effective Display Area (W x H)	1209 x 680 mm (47.6" x 26.7")	1073 x 604 mm (42.2" x 23.7")	941 x 529 mm (37.0" x 20.8")
	Resolution (H x V)	1920 x 1080	1920 x 1080	1920 x 1080
	Brightness (Typ)	450 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>
	Contrast Ratio	1100:1	1100:1	1100:1
	Dynamic Contrast Ratio	50000:1	50000:1	50000:1
	Response Time	12 ms (G to G)	12 ms (G to G)	12 ms (G to G)
	Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	178°/178° (CR≥10)	178°/178° (CR≥10)
	Panel Surface Treatment	Anti-Glare (Haze 1 %)	Anti-Glare (Haze 1 %)	Anti-Glare (Haze 1 %)
TERMINAL	VIDEO In/Audio In	4-pole Mini Jack (M3) x 1		4-pole Mini Jack (M3) x 1
	HDMI In	HDMI Type A Connector x 2 (AUDIO IN Shared with DVI-D IN, PC IN, VIDEO IN)		HDMI Type A Connector x 2
	Component/RGB In	—		—
	Audio In (L/R)	—		—
	DVI-D In	DVI-D 24-pin x 1 (DVI Revision 1.0 compliant), HDCP 1.1 compatible		DVI-D 24-pin x 1 (DVI Revision 1.0 compliant), HDCP 1.1 compatible
	Audio In (L/R)	4-pole Mini Jack (M3) x 1 (Shared with PC/VIDEO In)		4-pole Mini Jack (M3) x 1 (Shared with PC/VIDEO In)
	DVI-D Out	DVI-D 24-pin x 1 (DVI Revision 1.0 compliant), HDCP 1.1 compatible		DVI-D 24-pin x 1 (DVI Revision 1.0 compliant), HDCP 1.1 compatible
	PC In	Mini D-Sub 15-pin x1 (DDC2B compatible)		Mini D-Sub 15-pin x 1 (DDC2B compatible)
	Audio In (L/R)	4-pole Mini Jack (M3) x 1 (Shared with DVI-D/VIDEO In)		4-pole Mini Jack (M3) x 1 (Shared with DVI-D/VIDEO In)
	Audio Out (L/R)	Stereo Mini Jack (M3) x 1		Stereo Mini Jack (M3) x 1
	Serial In/Out	D-sub 9-pin x 1/x 1, RS-232C Compatible		D-sub 9-pin x 1/x 1, RS-232C Compatible
	DIGITAL LINK	RJ45 x 1, 100BASE-TX, Compatible with PLink™ for TH-55/49SF2W (Shared with LAN)		RJ45 x 1, 100BASE-TX, Compatible with PLink™ for TH-43SF2W (Shared with LAN)
	LAN	RJ45 x 1, 100BASE-TX, Compatible with PLink™ for TH-55SF2W (Shared with DIGITAL LINK)	RJ45 x 1, 100BASE-TX, Compatible with PLink™ for TH-49SF2W (Shared with DIGITAL LINK); 10BASE-T/100BASE-TX, Compatible with PLink™ for TH-49SF2E	RJ45 x 1, 100BASE-TX, Compatible with PLink™ for TH-43SF2W (Shared with DIGITAL LINK); 10BASE-T/100BASE-TX, Compatible with PLink™ for TH-43SF2E
	IR In/Out	Stereo Mini Jack (M3) x 1 / x 1		Stereo Mini Jack (M3) x 1 / x 1
	USB	USB TYPE A Connector x 1, DC 5V/1A (USB 3.0 is not supported)		USB TYPE A Connector x 1, DC 5V/1A (USB 3.0 is not supported)
GENERAL	Power Requirements	220-240 V AC, 50 Hz/60 Hz		220-240 V AC, 50 Hz/60 Hz
	Power Consumption	115 W		95 W
	Power Off Condition	Approx. 0.3 W		Approx. 0.3 W
	Stand-by Condition	Approx. 0.5 W		Approx. 0.5 W
	Dimensions (W x H x D)	1234 x 710 x 46 mm (48.5" x 28.0" x 1.8")	1098 x 634 x 46 mm (43.2" x 24.9" x 1.8")	965 x 559 x 46 mm (38.0" x 22.0" x 1.8")
	Carton Size (W x H x D)	1448 x 952 x 223 mm (57.0" x 37.5" x 8.8")	1292 x 883 x 203 mm (50.9" x 34.8" x 8.0")	1141 x 779 x 203 mm (44.9" x 30.7" x 8.0")
	Bezel Width	T/R/L: 9.5 mm (0.38"), B: 15.5 mm (0.61")	T/R/L: 9.5 mm (0.38"), B: 15.5 mm (0.61")	T/R/L: 9.5 mm (0.38"), B: 15.5 mm (0.61")
	Weight	Approx. 18.0 kg (39.7 lbs.)	Approx. 14.7 kg (32.4 lbs.)	Approx. 10.7 kg (23.6 lbs.)
	Gross Weight	Approx. 26.0 kg (57.3 lbs.)	Approx. 21.0 kg (46.3 lbs.)	Approx. 15.0 kg (33.1 lbs.)
	Pitch for Wall-Hanging	VESA Compliant 400 x 400 mm (15.8" x 15.8")		VESA compliant 400 x 400 mm (15.8" x 15.8")
	Built-in Speakers	20 W [10 W + 10 W]		20 W [10 W + 10 W]
	Orientation <sup>*1</sup>	Landscape/Portrait (Angle adjustment 0 - 45 degrees for both left and right with landscape setting. When installing the portrait setting, be sure that the Power Indicator comes to the upside.)		Landscape/Portrait (Angle adjustment 0 - 45 degrees for both left and right with landscape setting. When installing the portrait setting, be sure that the Power Indicator comes to the upside.)
	Tilting Angle <sup>*1</sup>	Landscape setting: 0 - 45 degrees forward/backward Portrait setting: 0 - 45 degrees forward/backward		Landscape setting: 0 - 45 degrees forward/backward Portrait setting: 0 - 45 degrees forward/backward
	Operating Environment	Temperature: 0 °C to 40 °C (32°F to 104°F) / Humidity: 20 % to 80 % (Non Condensation)		Temperature: 0 °C to 40 °C (32°F to 104°F) <sup>*3</sup> : 0 °C to 35 °C (32 °F to 95 °F) <sup>*4</sup> / Humidity: 20 % to 80 % (Non-condensation)
	Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) <sup>*2</sup> / Humidity: 20 % to 80 % (Non Condensation)		Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non-condensation)
OPTIONS	Pedestal	24 h/day		24 h/day
	Digital Interface Box	TY-ST55PE9	TY-ST43PE9	TY-ST43PE9
	DIGITAL LINK Switcher	ET-YFB100G <sup>*6</sup>	ET-YFB100G <sup>*6</sup>	ET-YFB100G <sup>*6</sup>
	Early Warning Software <sup>*7</sup>	ET-YFB200G <sup>*6</sup>	ET-YFB200G <sup>*6</sup>	ET-YFB200G <sup>*6</sup>
	Auto Display Adjustment Upgrade Kit <sup>*8</sup>	ET-SWA100 Series TY-VUK10	ET-SWA100 Series TY-VUK10	ET-SWA100 Series TY-VUK10

<sup>\*1</sup>: Please contact your sales representative with regard to the tilt angle before installation. Note that a gap of 0.5 mm or more is required when installing multiple displays.

<sup>\*2</sup>: If the temperature is 40 °C to 60 °C (104 °F to 140 °F), please keep in humidity 20 % to 40 % . <sup>\*3</sup>: For up to 1400 m (4593 ft) altitude.

<sup>\*4</sup>: For between 1400 m (4593 ft) and 2800 m (9186 ft) altitude.

<sup>\*5</sup>: In case of 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.

<sup>\*6</sup>: SF2W Series only. <sup>\*7</sup>: Multi Monitoring & Control Software Ver2.0 or later is required. Suffix of the part number may differ depending on the license type.

<sup>\*8</sup>: Download the latest Video Wall Manager from Global Website in advance. (<https://panasonic.net/cns/prodisplays/download/software/vwm/>)



# AF1 Series



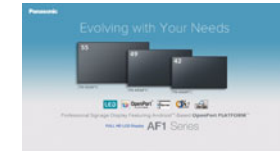
Model no.		TH-55AF1	TH-49AF1	TH-42AF1
DISPLAY PANEL	Screen Size (Diagonal)/Aspect Ratio	55-inch (1387 mm)/16:9	49-inch (1232 mm)/16:9	42-inch (1064 mm)/16:9
	Panel Type	IPS Panel/E-LED	IPS Panel/E-LED	IPS Panel/E-LED
	Effective Display Area (W x H)	1209 x 680 mm (47.6" x 26.7")	1073 x 604 mm (42.2" x 23.7")	927 x 521 mm (36.5" x 20.5")
	Resolution (H x V)	1920 x 1080	1920 x 1080	1920 x 1080
	Brightness (Typ)	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
	Contrast Ratio	1300:1	1300:1	1300:1
	Dynamic Contrast Ratio	50000:1	50000:1	50000:1
	Response Time	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)
	Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	178°/178° (CR≥10)	178°/178° (CR≥10)
	Panel Surface Treatment	Anti-Glare (Haze 10 %)	Anti-Glare (Haze 10 %)	Anti-Glare (Haze 10 %)
PLATFORM	OS	Android 4.4.3		Android 4.4.3
	CPU	Cortex-A9, 1.0 GHz (Quad)		Cortex-A9, 1.0 GHz (Quad)
	Memory	RAM 1 GB / ROM 8 GB		RAM 1 GB / ROM 8 GB
TERMINAL	VIDEO In	BNC x 1 (Shared with Component In)		BNC x 1 (Shared with Component In)
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with Component In)		Stereo Mini Jack (M3) x 1 (Shared with Component In)
	HDMI In	HDMI Type A Connector x 2		HDMI Type A Connector x 2
	Component/RGB In	BNC x 1 set (Shared with VIDEO In)		BNC x 1 set (Shared with VIDEO In)
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with Video In)		Stereo Mini Jack (M3) x 1 (Shared with Video In)
	DVI-D In	DVI-D 24-pin x 1		DVI-D 24-pin x 1
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with PC In)		Stereo Mini Jack (M3) x 1 (Shared with PC In)
	DVI-D Out	DVI-D 24-pin x 1		DVI-D 24-pin x 1
	PC In	Mini D-Sub 15-pin x1 (Female)		Mini D-Sub 15-pin x1 (Female)
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)		Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)
	Audio Out (L/R)	Stereo Mini Jack (M3) x 1		Stereo Mini Jack (M3) x 1
	Serial In/Out	D-sub 9-pin x 1/x 1, RS-232C Compatible		D-sub 9-pin x 1/x 1, RS-232C Compatible
	USB	USB Connector (TYPE A) x 1, DC 5 V/1 A (USB3.0 is not supported)		USB Connector (TYPE A) x 1, DC 5 V/1 A (USB3.0 is not supported)
	IR In/Out	Stereo Mini Jack (M3) x 1 / x 1		Stereo Mini Jack (M3) x 1 / x 1
OpenPort PLATFORM	LAN	RJ45 x 1 for Network Connection, 10BASE-T/100BASE-TX/1000BASE-T, Compatible with PoE Link™		RJ45 x 1 for Network Connection, 10BASE-T/100BASE-TX/1000BASE-T, Compatible with PoE Link™
	USB	USB2.0 Connector (TYPE A) x 3, DC 5 V/500 mA		USB2.0 Connector (TYPE A) x 3, DC 5 V/500 mA
	Micro-USB	Micro USB Connector x 1		Micro USB Connector x 1
	microSD card slot	microSD, microSDHC x 1		microSD, microSDHC x 1
	Wireless LAN	IEEE 802.11a/b/g/n		IEEE 802.11a/b/g/n
GENERAL	Power Requirements	220-240 V AC, 50 Hz/60 Hz		220-240 V AC, 50 Hz/60 Hz
	Power Consumption	190 W		155 W
	Power Off Condition	Approx. 0.3 W		Approx. 0.3 W
	Stand-by Condition	Approx. 0.5 W (When [OpenPort PLATFORM standby] is set to [Off]) Approx. 20 W (When [OpenPort PLATFORM standby] is set to [On])		Approx. 0.5 W (When [OpenPort PLATFORM standby] is set to [Off]) Approx. 20 W (When [OpenPort PLATFORM standby] is set to [On])
	Dimensions (W x H x D)	1229 x 699 x 72* mm (48.4" x 27.6" x 2.8"*)	1093 x 623 x 72* mm (43.1" x 24.6" x 2.8"*)	947 x 541 x 72* mm (37.3" x 21.3" x 2.8"*)
	Carton Size (W x H x D)	1444 x 922 x 223 mm (56.9" x 36.3" x 8.8")	1308 x 846 x 203 mm (51.5" x 33.4" x 8.0")	1123 x 743 x 203 mm (44.3" x 29.3" x 8.0")
	Bezel Width	6.3 mm (0.25")		6.3 mm (0.25")
	Weight	Approx. 25.0 kg (55.2 lbs.)		Approx. 15.6 kg (34.4 lbs.)
	Gross Weight	Approx. 33.0 kg (72.8 lbs.)		Approx. 21.0 kg (46.3 lbs.)
	Pitch for Wall-Hanging	VESA Compliant 400x 400 mm (15.8" x 15.8")		VESA Compliant 200 x 200 mm (7.9" x 7.9")
	Built-in Speakers	20 W [10 W + 10 W]		20 W [10 W + 10 W]
	Orientation	Landscape/Portrait (Angle adjustment 0-45 degrees for both left and right)		Landscape/Portrait (Angle adjustment 0-45 degrees for both left and right)
	Tilting Angle*1	0-45 degrees forward/backward with landscape/portrait setting*1 (Angle adjustment is not possible for forward/backward tilting installation.)		0-45 degrees forward/backward with landscape/portrait setting*1 (Angle adjustment is not possible for forward/backward tilting installation.)
	Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F)*2 : 0 °C to 35 °C (32 °F to 95 °F)*3 / Humidity: 20 % to 80 % (Non-condensation)		Temperature: 0 °C to 40 °C (32 °F to 104 °F)*2 : 0 °C to 35 °C (32 °F to 95 °F)*3 / 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)		Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non Condensation)
	Operating Time*4	24 h/day		24 h/day
OPTIONS	Pedestal	TY-ST43PE8		TY-ST43PE8
	Early Warning Software*5	ET-SWA100 Series		ET-SWA100 Series
	Auto Display Adjustment Upgrade Kit*6	TY-VUK10		TY-VUK10

\*1: Please contact your sales representative with regard to the tilt angle before installation. \*2: For up to 1400 m (4593 ft) altitude. \*3: For between 1400 m (4593 ft) and 2800 m (9186 ft) altitude. \*4: In case of 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. \*5: Multi Monitoring & Control Software Ver2.0 or later is required. Suffix of the part number may differ depending on the license type. \*6: Download the latest Video Wall Manager from Global Website in advance. (<https://panasonic.net/cns/prodisplays/download/software/vwm/>)

\* The handle part excluded, the thickness is 57 mm (2.3").

Standard

## Feature video



AF1 Series: Pro Signage Display Featuring Android -based OpenPort PLATFORM

## AF1 Partners

OpenPort PLATFORM® supports applications developed and mutually checked with Panasonic by the following global partners.



\* Listed in alphabetical order.

# EQ1 Series



Model no.	TH-86EQ1	TH-75EQ1	TH-65EQ1	TH-55EQ1
<b>DISPLAY PANEL</b>				
Screen Size (Diagonal)/Aspect Ratio	86-inch (2174 mm) /16:9	75-inch (1892 mm) /16:9	65-inch (1639 mm) /16:9	55-inch (1387 mm) /16:9
Panel Type	IPS/Edge LED	IPS/Edge LED	VA/Direct LED	VA/Direct 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")
Resolution (H x V)	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160
Brightness (Typ)	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>
Contrast Ratio	1200:1	1200:1	4000:1	4000:1
Dynamic Contrast Ratio	50000:1	50000:1	50000:1	50000:1
Response Time	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)
Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	178°/178° (CR≥10)	178°/178° (CR≥10)	178°/178° (CR≥10)
Panel Surface Treatment	Anti-Glare (Haze 28 %)	Anti-Glare (Haze 28 %)	Anti-Glare (Haze 2 %)	Anti-Glare (Haze 2 %)
<b>TERMINAL</b>				
HDMI In	HDMI TYPE-A Connector x 2 (HDCP2.2 supported)		HDMI TYPE-A Connector x 2 (HDCP2.2 supported)	
VIDEO/AV In	4-pole Mini Jack (M3) x 1 (Audio: Stereo Mini Jack (M3) x 1(Shared with DVI-D/PC In))		4-pole Mini Jack (M3) x 1 (Audio: Stereo Mini Jack (M3) x 1 (Shared with DVI-D/PC In))	
DVI-D In	DVI-D 24-pin x 1		DVI-D 24-pin x 1	
Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with AV/PC In)		Stereo Mini Jack (M3) x 1 (Shared with AV/PC In)	
PC In	Mini D-sub 15-pin x 1 (Female)		Mini D-sub 15-pin x 1 (Female)	
Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with AV/DVI-D In)		Stereo Mini Jack (M3) x 1 (Shared with AV/DVI-D In)	
USB	USB Connector (TYPE A) x 1, DC 5 V/2 A (USB 3.0 supported)		USB Connector (TYPE A) x 1, DC 5 V/2 A (USB 3.0 supported)	
Serial In	D-sub 9-pin x 1, RS-232C Compatible		D-sub 9-pin x 1, RS-232C Compatible	
DIGITAL LINK	—		—	
LAN	RJ45 x 1, 10BASE-T/100BASE-TX/1000BASE-T, Compatible with PLink™		RJ45 x 1, 10BASE-T/100BASE-TX/1000BASE-T, Compatible with PLink™	
IR In/Out	Stereo Mini Jack (M3) x 1 / x 1		Stereo Mini Jack (M3) x 1 / x 1	
Audio Out	Stereo Mini Jack (M3) x 1		Stereo Mini Jack (M3) x 1	
<b>GENERAL</b>				
Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
Power Consumption	363 W	296 W	185 W	195 W
Power Off Condition	Approx. 0.3 W	Approx. 0.3 W	Approx. 0.3 W	Approx. 0.3 W
Stand-by Condition	Approx. 0.5 W	Approx. 0.5 W	Approx. 0.5 W	Approx. 0.5 W
Dimensions (W x H x D)	1928 x 1099 x 86 mm (76.0" x 43.3" x 3.4")	1681 x 959 x 73 mm (66.2" x 37.8" x 2.9")	1459 x 835 x 82 mm (57.5" x 32.9" x 3.3")	1240 x 712 x 62 mm (48.9" x 28.1" x 2.5")
Carton Size (W x H x D)	2224 x 1427 x 373 mm (87.6" x 56.2" x 14.7")	1832 x 1283 x 280 mm (72.2" x 50.6" x 11.1")	1655 x 1078 x 280 mm (65.2" x 42.5" x 11.1")	1365 x 864 x 185 mm (53.8" x 34.1" x 7.3")
Bezel Width	15.2 mm (0.6") (T/B/L/R)	14.8 mm (0.6") (T/B/L/R)	13.5 mm (0.6") (T/R/L), 14.5 mm (0.6") (B)	12.9 mm (0.6") (T/R/L), 14.7 mm (0.6") (B)
Weight	Approx. 66.0 kg (145.5 lbs.)	Approx. 56.0 kg (123.5 lbs.)	Approx. 27.0 kg (59.6 lbs.)	Approx. 17.0 kg (37.5 lbs.)
Gross Weight	Approx. 89.0 kg (196.3 lbs.)	Approx. 71.0 kg (156.6 lbs.)	Approx. 38.0 kg (83.8 lbs.)	Approx. 24.0 kg (52.9 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	
Built-in Speaker	20 W [10 W + 10 W]		20 W [10 W + 10 W]	
Orientation*1	Landscape/Portrait		Landscape/Portrait	
Tilting Angle*2	0-20 degrees forward/backward with landscape/portrait setting		0-20 degrees forward/backward with landscape/portrait setting	
Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F) / for up to 1400 m (4593 ft) altitude, 0 °C to 35 °C (32 °F to 95 °F) / Altitude 1400-2800 m [4593 ft to 9186 ft] / Humidity: 20 % - 80 % (No condensation)		Temperature: 0 °C to 40 °C (32 °F to 104 °F) / for up to 1400 m (4593 ft) altitude, 0 °C to 35 °C (32 °F to 95 °F) / Altitude 1400-2800 m [4593 ft to 9186 ft] / Humidity: 20 % to 80 % (No condensation)	
Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non condensation)		Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non condensation)	
Operating Time*3	24 h/day		18 h/day	
<b>OPTIONS</b>				
Pedestal	—	TY-ST75PE9	TY-ST55PE9	TY-ST43PE8
Wall-hanging Bracket	TY-WK98PV1	TY-WK98PV1	TY-WK98PV1	—
Early Warning Software*4	ET-SWA100/105 Series	ET-SWA100/105 Series	ET-SWA100/105 Series	ET-SWA100/105 Series

\*1: When mounting portrait setting, be sure to mount with the main unit's power lamp facing downward.

\*2: Please contact your sales representative with regard to the tilt angle before installation.

\*3: In case of 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.

\*4: Multi Monitoring & Control Software Ver.2.0 or later is required. Suffix of the part number may differ depending on the licence type.

# EQ1/EF1/LFE8 Series



Model no.	TH-50EQ1	TH-43EQ1		TH-32EF1	TH-48LFE8
<b>DISPLAY PANEL</b>					
Screen Size (Diagonal)/Aspect Ratio	50-inch (1257 mm) /16:9	43-inch (1079 mm) /16:9		32-inch (801 mm)/16:9	48-inch (1209 mm)/16:9
Panel Type	VA/Direct LED	VA/Direct LED		IPS Panel/D-LED	VA Panel/D-LED
Effective Display Area (W x H)	1095 x 616 mm (43.1" x 24.2")	941 x 529 mm (37.0" x 20.8")		698 x 392 mm (27.4" x 15.4")	1054 x 592 mm (41.5" x 23.3")
Resolution (H x V)	3840 x 2160	3840 x 2160		1920 x 1080	1920 x 1080
Brightness (Typ)	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>		350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>
Contrast Ratio	4000:1	4000:1		1400:1	4000:1
Dynamic Contrast Ratio	50000:1	50000:1		—	—
Response Time	8 ms (G to G)	8 ms (G to G)		8 ms (G to G)	8 ms (G to G)
Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	178°/178° (CR≥10)		178°/178° (CR≥10)	178°/178° (CR≥20)
Panel Surface Treatment	Anti-Glare (Haze 2 %)	Anti-Glare (Haze 2 %)		Anti-Glare (Haze 1 %)	N/A
<b>TERMINAL</b>					
HDMI In	HDMI TYPE-A Connector x 2 (HDCP2.2 supported)			HDMI TYPE-A connector x 2 (MIERA LINK is not supported)	
VIDEO/AV In	4-pole Mini Jack (M3) x 1 (Audio: Stereo Mini Jack (M3) x 1(Shared with DVI-D/PC In))			4-pole mini jack (M3) x 1	
DVI-D In	DVI-D 24-pin x 1			DVI-D 24 pin x 1	
Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with AV/PC In)			Stereo Mini Jack (M3) x 1 (Shared with PC In)	
PC In	Mini D-sub 15-pin x 1 (Female)			Mini D-sub 15 pin x 1 (Female)	
Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with AV/DVI-D In)			Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)	
USB	USB Connector (TYPE A) x 1, DC 5 V/2 A (USB 3.0 supported)			TYPE A USB connector x 1 (USB 3.0 is not supported)	
Serial In	D-sub 9-pin x 1, RS-232C Compatible			D-sub 9 pin x 1, RS-232C Compatible	
DIGITAL LINK	—			—	
LAN	RJ45 x 1, 10BASE-T/100BASE-TX/1000BASE-T, Compatible with PLink™			RJ45 x 1 10 BASE-T/100BASE-TX, Compatible with PLink™	
IR In/Out	Stereo Mini Jack (M3) x 1 / x 1			Mini Jack (M3) x 1/ x 1	
Audio Out	Stereo Mini Jack (M3) x 1 / Variable Output (∞ - 0 dB) (at 1 kHz 0 dB Input, 10 kΩ Loaded)			Stereo Mini Jack (M3) x 1	
<b>GENERAL</b>					
Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz		220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
Power Consumption	178 W	162 W		65 W	150 W
Power Off Condition	Approx. 0.3 W	Approx. 0.3 W		Approx. 0.3 W	Approx. 0.3 W
Stand-by Condition	Approx. 0.5 W	Approx. 0.5 W		Approx. 0.5 W	Approx. 0.5 W
Dimensions (W x H x D)	1124 x 647 x 70 mm (44.3" x 25.5" x 2.8")	969 x 560 x 61 mm (38.2" x 22.1" x 2.4")		727 x 426 x 64 mm (28.7" x 16.8" x 2.5")	1082 x 624 x 62 mm (42.6" x 24.6" x 2.5")
Carton Size (W x H x D)	1238 x 795 x 185 mm (48.7" x 31.3" x 7.3")	1070 x 696 x 159 mm (42.1" x 27.4" x 6.3")		818 x 547 x 139 mm (32.2" x 21.6" x 5.5")	1192 x 773 x 171 mm (47.0" x 30.5" x 6.8")
Bezel Width	11.9 mm (0.5") (T/R/L), 14.4 mm (0.6") (B)	11.9 mm (0.5") (T/R/L), 14.9 mm (0.6") (B)		L/R/T: 11.9 mm (0.5"), B: 17.2 mm (0.7")	L/R/T: 11.9 mm (0.5"), B: 14.7 mm (0.58")
Weight	Approx. 14.0 kg (30.9 lbs.)	Approx. 9.0 kg (19.9 lbs.)		Approx. 5.3 kg (11.7 lbs.)	Approx. 11.5 kg (25.4 lbs.)
Gross Weight	Approx. 20.0 kg (44.1 lbs.)	Approx. 14.0 kg (30.9 lbs.)		Approx. 8.0 kg (17.7 lbs.)	Approx. 17.0 kg (37.5 lbs.)
Pitch for Wall-Hanging	400 x 400 mm (15.8" x 15.8") VESA Compliant	200 x 200 mm (7.9" x 7.9") VESA Compliant		VESA compliant 100 x 100 mm (3.9" x 3.9")	VESA Compliant 200 x 200 mm (7.9" x 7.9")
Built-in Speaker	20W [10W + 10W]			20 W [10W + 10 W] (10% THD)	20 W [10W + 10 W] (10% THD)
Orientation*1	Landscape/Portrait			Landscape/Portrait	Landscape/Portrait
Tilting Angle*2	0-20 degrees forward/backward with landscape/portrait setting			0-20 degrees forward with landscape setting*2	0-20 degrees forward with landscape setting*2
Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F) / for up to 1400 m (4593 ft) altitude, 0 °C to 35 °C (32 °F to 95 °F) / Altitude 1400-2800 m [4593 ft to 9186 ft] / Humidity: 20 % to 80 % (No condensation)			Temperature: 0 °C to 40 °C (32 °F to 104 °F) / for up to 1400 m (4593 ft) altitude, 0 °C to 35 °C (32 °F to 95 °F) / Altitude 1400-2800 m [4593 ft to 9186 ft] / Humidity: 20 % to 80 % (No condensation)	Temperature: 0 °C to 40 °C (32 °F to 104 °F) / for up to 1400 m (4593 ft) altitude, 0 °C to 35 °C (32 °F to 95 °F) / Altitude 1400-2800 m [4593 ft to 9186 ft] / Humidity: 20 % to 80 % (No condensation)
Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non condensation)			Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non Condensation)	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non Condensation)
Operating Time*3	18 h/day			16 h/day	16 h/day
<b>OPTIONS</b>					
Pedestal	TY-ST43PE8	TY-ST43PE8		TY-ST32PE1	TY-ST43PE8
Wall-hanging Bracket	—	—		—	—
Early Warning Software*4	ET-SWA100/105 Series	ET-SWA100/105 Series		ET-SWA100 Series	ET-SWA100 Series

\*1: When mounting portrait setting, be sure to mount with the main unit's power lamp facing downward.

\*2: Please contact your sales representative with regard to the tilt angle before installation.

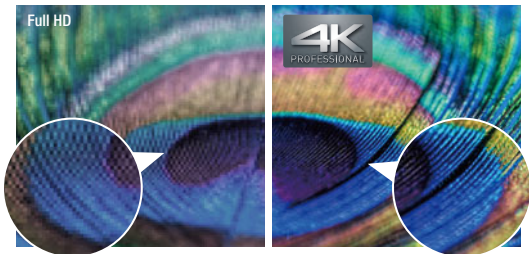
\*3: In case of long time, the moving image is recommended to be displayed. If you display a still picture for an extended period, the image retention might remain on the screen. However, image retention can gradually disappear by displaying a moving images.

\*4: Multi Monitoring & Control Software Ver.2.0 or later is required. Suffix of the part number may differ depending on the licence type.

Elaborate 4K Picture Quality down to the Tiniest Details

SQ1EQ1

With approximately 8,290,000 pixels, about four times the pixels of a Full-HD display, images are highly detailed. This dynamic, large-screen display achieves true-to-life finely nuanced images. With an optimal viewing distance of 1.5 times the screen height, the 4K display renders the information you want to transmit with excellent clarity.



\* Images are simulated.

Supports HDR and BT.2020 Emulation

SQ1

Supports the Next-Generation Intel® SDM Specification Slot Standard

SQ1

The SQ1 Series supports HDR (High Dynamic Range) (PQ and HLG). Image reproduction is stunning, from deepest black to sparkling bright highlights. Additionally, they have emulation mode for BT.2020. This enables an emulation display to support the wide color gamut of the ITU-R BT.2020 standard.

The SQ1 Series is equipped with the new Intel® SDM specification slot standard that supports 4K signals. Combined with the interface board, you can easily use a built-in PC and add various interfaces.

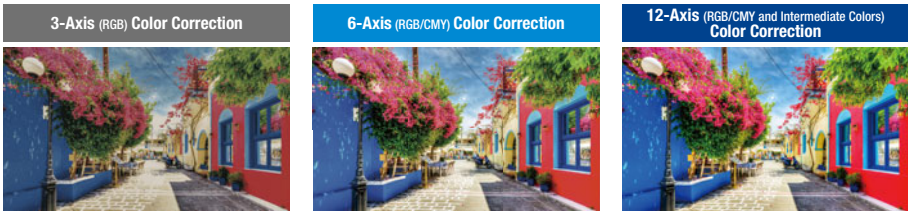


High Color Reproduction (6-Axis & 12-Axis Color Correction)

SQ1SF2H/SF1HSF2EQ1

\*12-Axis compatible

The color space on LCD displays tends to narrow when the luminance level drops, and it's often accompanied by color phase shifts. Six Axis Coordinate Correction applies image processing to balance the six axes of the three primary colors (RGB) and their complementary colors (CMY). Further, in the SQ1 Series, the color temperature, shade, and brightness parameters of individual images can be adjusted for red, green, and blue, and their complementary colors, cyan, magenta, and yellow. This keeps the intermediate shades of extremely fine colors vibrant and lifelike.

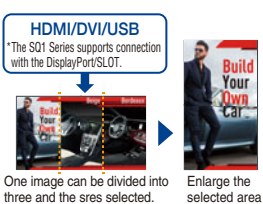


\* Images are simulated.

Dynamic Signage is Possible with the Portrait Zoom

SQ1EQ1

Split the content from image sources, and enlarge the display in a portrait orientation. There is no need to use a special device, such as a processor, while creating content from various images. Placing three 65-inch models vertically creates a display equivalent to 112 inches. This enables highly visible store signage.



\*These functions on the 98/86SQ1 models are compatible with the Software Main Version 3.0000 or later. (For the EQ1 Series: Software Main Version 2.000 or later is required.) Please contact your sales representative with regard to details.

Easy Display of Images Optimized for the Display Content

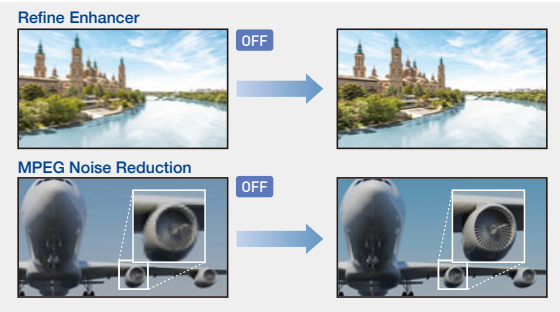
SQ1SF2H/SF1HLF80SF2AF1EQ1

Conventional display panels are preset with display modes such as Standard and Dynamic. The SQ1, SF2H/SF1H, LF80, SF2, AF1, and EQ1 Series comes with an extensive display menu to let you select the most suitable mode for the content to be displayed and the viewing environment. You can select the best mode for the video source and the place of display.



\*Although the term "DICOM" is used, this product is not medical equipment. Do not use displayed images for medical purposes such as examination or diagnosis.

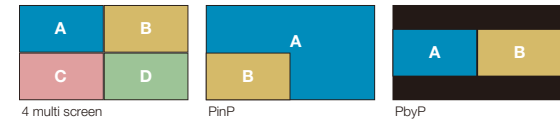
- Refine Enhancer**  
 Corrects blurry image contours resulting from resizing, etc., to improve the image resolution.
- MPEG Noise Reduction**  
 Noise reduction suppresses the block noise and mosquito noise that are characteristic of digital video signals. This faithfully reproduces the inherent beauty of the image.



Multi Input Screen Capability with No Processor Required

SQ1

Multi Input Screen Capability with No Processor Required The SQ1 Series can simultaneously display multiple images on a single screen. In addition to 4 multi screens, the SQ1 Series can display 2 screens, such as PinP and PbyP. This is ideal for checking details in various applications, such as videoconferences, digital signage, and surveillance monitoring.



Brilliant, High-Quality 700 cd/m² Images for Bright Lobbies

SF2H/SF1HLF80

The SF2H/SF1H, and LF80 Series provides highly visible signage even in open spaces with natural lighting. Blending into surrounding spaces, it has an eye-catching effect even when people are moving.





Portrait Installation Capability

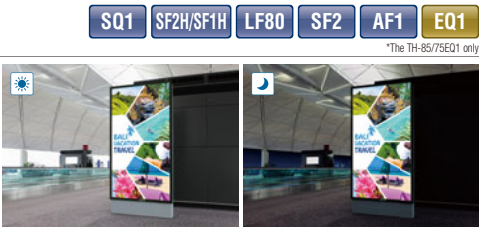
When the Large size display is installed vertically, it can display a person in almost life-size dimensions. It is ideal for digital signage use because it faithfully reproduces the textures and colors of a model's clothing and accessories. It helps to maintain a high-quality brand image. Vertical installation also has no effect on the lifetime of the panel.



Efficiency and Reliability for Continuous 24-hour Operation

The use of highly durable panel materials and quality electronic components ensures dependable 24-hour operation seven days a week.

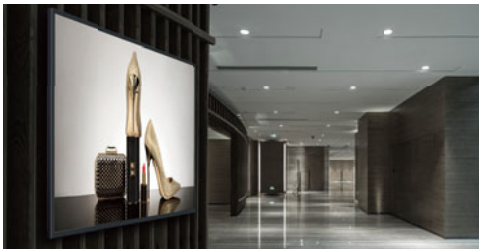
\* Display of moving images is recommended when panels are in use for long periods to prevent image retention. Note that image burn-in can be gradually rectified with the periodical display of moving images.



A Stylish and slim design Accentuates the Image

The stylish and slim design complies with the ADA standard (a depth of less than 4-inch (approx.100 mm) with brackets) in all important aspects. The narrow bezel displays higher-impact images, further enhancing the 4K picture quality. The slim profile isn't the least oppressive even when installed in a hanging configuration.

\* The availability of the TY-WK98PV1 varies depending on the country.



\* ADA stands for the "Americans with Disabilities Act," a United States law made to protect people with disabilities from discrimination.

Fanless Design

Standard models robust fanless design prevents problems caused by the intake of dusty air. The displays can be safely installed and operated in high-traffic environments.

Connection to an External Device is Convenient for Video Conferences

Cisco Systems can be connected. The power supply for the display can be turned on and off by the Cisco Systems Device Controller. Or when connected to a Cisco Systems device, the video mode, video conference mode,\* etc., can be automatically set.

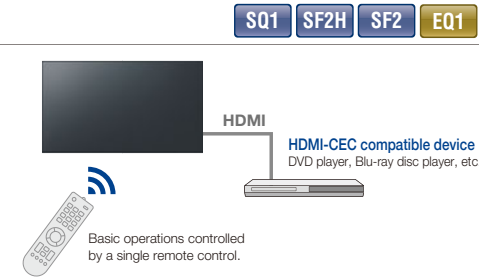
\* Video conference mode ... This enables conferences with minimal lag between video and audio.  
 \* This function is compatible with the Software Main Version 2.0000 or later. Please contact your sales representative with regard to details.



HDMI CEC Device Linking Supported

HDMI-CEC compatible devices can be connected to the display by an HDMI cable, enabling the basic operations (such as power ON/OFF) of the compatible devices to be controlled by the display's remote control. Power ON/OFF of the display can also be switched using only the remote control (or main unit buttons) of the HDMI-CEC compatible devices.

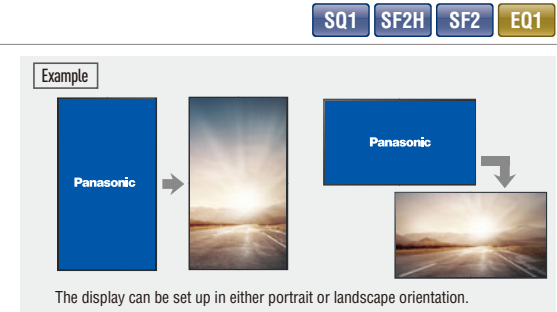
\* The control of all devices cannot be guaranteed.



Customizable Original Screen

An original image created by your company or other desired picture can be displayed when the unit is turned on and when there is no input signal. The image data for the original screen can be transferred and stored in the display unit via a USB memory. This function allows a company logo mark, brand image, etc., to be displayed when there is no input signal.

• Certain limitations apply to the format for original screen.  
 \* The SQ1/EQ1 Series is compatible with 3480 x 2160 and 1920 x 1080 resolution.



4K Daisy Chain can be Constructed with Even Higher Resolution Multi-Screens

The SQ1 Series is equipped with DisplayPort input/output terminals. Construct a multi-screen that can output 4K images by installing multiple units and connecting them in a daisy chain.



Failover and Failback Safeguards for Mission Critical Situations

These models are equipped with a variety of signal input terminals. If the main video and audio signals are interrupted, the system immediately switches to alternative signals. This makes it ideal for mission critical control rooms and surveillance centers. If the main signals are restored, the original image is displayed.

\* The usable combinations of main and backup signals are limited.  
 For details, see the product website.



SQ1 SF2H/SF1H LF80 SF2 EQ1 EF1 LFE8

Still Image	JPG, JPEG, JPE, BMP*
Motion Image	AVI, MKV, ASF, WMV, TS, MTS, MP4, 3GP, MOV, FLV, F4V

- If it is difficult to insert a USB memory due to installation conditions, use a commercially available extension cable.
- Some files cannot be played back even if they are in the supported format. Regarding restrictions, see the operation manual.
- \* Multi Monitoring & Control Software (free) is required.

SQ1 SF2H SF2 EQ1

Still Image	JPG, JPEG, JPE, BMP
Motion Image	AVI, MKV, ASF, MWV, GS, MGS, MP4, 3GP, MOV, FLV, F4V

SQ1 SF2H/SF1H LF80 SF2 AF1 EQ1 EF1 LFE8

Parent Display

USB memory

Copy installation data

Child Displays

- **Data that can be copied**  
Setting and set values of [Picture], [sound], [Setup], [Position], and [Options] menus.\*  
\* [Options] are not supported by SQ1/EQ1.

SQ1 SF2 EQ1

Automatically set individual IP addresses

IP address: 192.168.0.10

IP address: 192.168.0.11

IP address: 192.168.0.12

SQ1 EQ1

SQ1 SF2H/SF1H SF2 EQ1

For more information about Content Management Software  
Version 3.3.1, please visit:  
**<https://panasonic.net/cns/prodisplays/download/software/>**

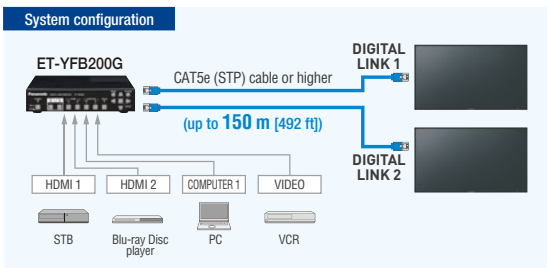
[illegible]

DIGITAL LINK Function Enables Simple Installation and Low System Costs

SQ1SF2HLF80SF2

Using DIGITAL LINK makes it possible to transmit video, audio and control signals over a long distance (up to 150 m [492 ft]) with a single LAN cable\*1. Easy cabling also reduces labor during setup. This provides transmission of high-quality images and sounds, as well as remote control.

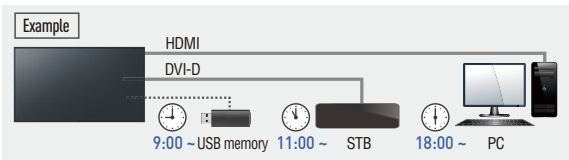
\*1: When connected with the [Long reach] mode, the maximum transmission distance is 150 m (492 ft). In this case, the unit can receive the signals of up to 1080/60p. A CAT5e (STP) cable or higher is required. This supports 4K video over distances of up to 50 m (164 ft) with a single LAN cable.  
 \*2: TH-55/49/43SF2W (for Asia, Middle East, Africa) only.



Timer-Programmable Switching of Device Connection

SQ1SF2HSF2EQ1

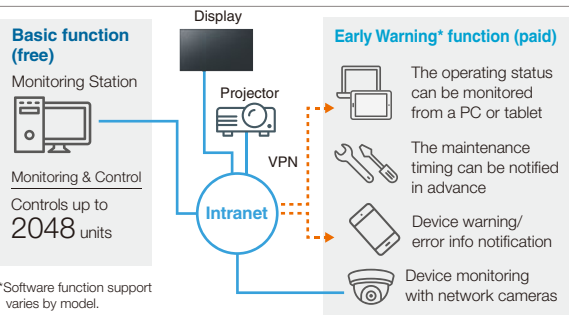
The timer function of the display unit can be used to change connected signal source devices at a desired time. This allows an easy change of displayed content according to the application or the progress of an event.



Multi Monitoring & Control Software

SQ1SF2H/SF1HLF80SF2AF1EQ1EF1LFE8

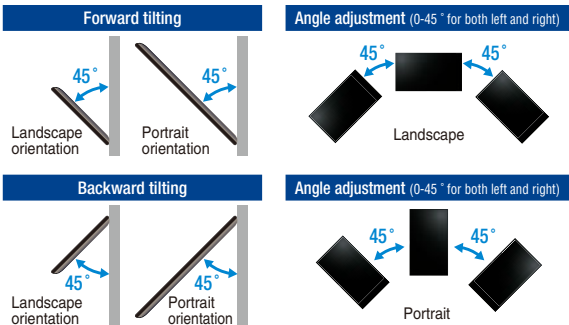
Compatible with Multi Monitoring & Control Software for addition of new functions, such as automatic searching for map displays and registered devices. Displays and peripheral equipment on the intranet can be controlled and their status can be monitored. Also error notification and error indication can be detected by an indication monitoring function (for a fee) for improved maintenance.



Choose the Installation to Match Your Application

Panasonic displays are designed for use in either portrait or horizontal orientation with no effect on panel color and lifespan, further reducing TCO. A tilt installation up to 45 degrees forward or backward is also possible. The angle can be adjusted for easy viewing when installed in a high location.

\* The installable angle varies depending on the model. For details, see the specifications page for each model. For more information on the specifications page, please visit the download page.  
 (https://panasonic.net/cns/prodisplays/download/spec\_manual/)

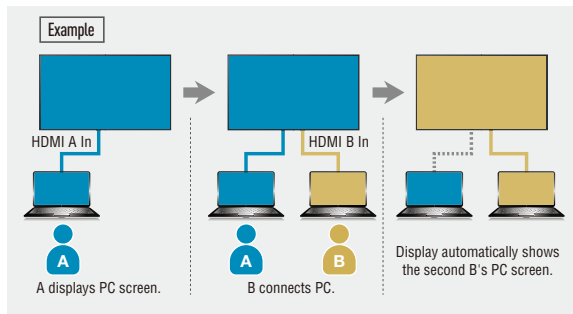


Smooth Switching of Presenters

SQ1SF2HSF2EQ1

These displays automatically switches source signals when the input signal for the current content stops or when an input signal other than the signal of the current content is received. When presenters change during a meeting, the displayed image can be switched easily by simply changing the cable connection, thus eliminating the need to operate the remote control.

\* The 2 switching inputs must be set in advance.  
 \* This function may not operate correctly depending on the image playback device.  
 \* Digital-digital switching is supported by the SQ/EQ Series. Analog-digital switching is supported by the SF2H/SF2/EF1 Series.



Built-in Speakers for the Playback of Content with Sound

All models are supported

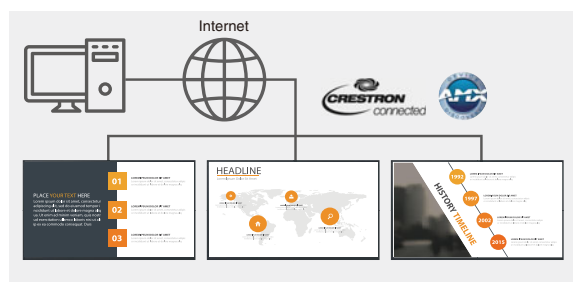
The display unit has built-in speakers so that it can playback content with sound without the connection of external speakers. This allows maximum use of a limited space for the installation of a large-screen display



Supports LAN Content Connection

SQ1SF2H/SF1HLF80SF2EQ1LFE8

The display can be controlled by LAN or RS-232C. You can configure the display into your existing control system, and can control several devices simultaneously. It also supports AMX or Crestron Connected™ LAN control.





# Panasonic display ideas for a wide range of applications

## Transportaion



Uninterrupted transmission of constantly changing information. The wide-viewing-angle IPS panel provides a powerful, eye-catching view.

Recommended models

- SQ1 Series >> 6p~
- VF/LFV Series >> 34p~



## Control rooms



Use a 24/7 operation display where interrupted images are simply not permitted. When problems do occur, the fail-over and fail-back functions minimize shutdown.

Recommended models

- SQ1 Series >> 6p~
- VF/LFV Series >> 34p~



## Retail



For attractive product displays, the 4K model is also recommended for in-store signage. The narrow bezel provides effective space utilization. An easy-to-see angle can also be adjusted. And Content Management Software makes it easy to control signage for individual shops.

Recommended models

- EQ1 Series >> 18p~
- Content Management Software >> 42p



## Shopping malls



The wide-viewing-angle IPS panel provides a powerful, eye-catching view. Using a touch-screen model floor guide offers detailed store information.

Recommended models

- VF/LFV Series >> 34p~
- BQE1/BFE1 Series >> 40p



## Office meeting rooms



For meeting room monitors, we recommend 4K models to faithfully relay content containing small-text data and various textures. Changing presenters is also smooth so information sharing is stress-free.

Recommended models

- EQ1 Series >> 18p~



## Classrooms



Touch-screen models make lessons easier to understand, and learning more enjoyable. Even without a dedicated pen, several people can simultaneously write onto the screen to enable interactive lessons.

Recommended models

- BQE1/BFE1 Series >> 40p





# [ AF1 Series ]

## Evolving with Your Needs

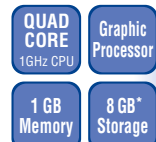
Android™- and HTML5-based OpenPort PLATFORM® Gives Freedom to Customize and Grow with Digital Signage Apps, Simplifies Everyday Use. The AF1 Series incorporates a high-performance SoC (System on a Chip) with a 1 GHz Quad-Core CPU, 1 GB RAM, 8 GB Storage. All this is supported by an alliance with a leading signage software developer to jointly verify application operation.



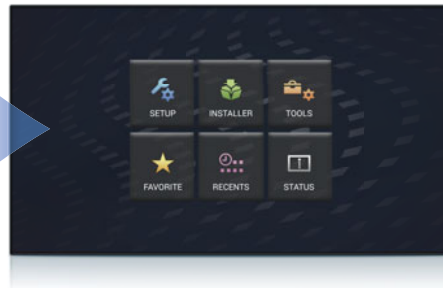
The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License.

## Evolving with Your Needs

Simple, expandable, and reliable, the AF1 Series\* Android™-based OpenPort PLATFORM® is powered by a high-performance SoC (System on a Chip) with a 1 GHz quad-core CPU, 1 GB of memory, and 8 GB\* of internal storage. Together with verified apps created by global alliance partners for custom signage and other roles in business, these adaptive displays deliver your message with maximum impact now and in the future.

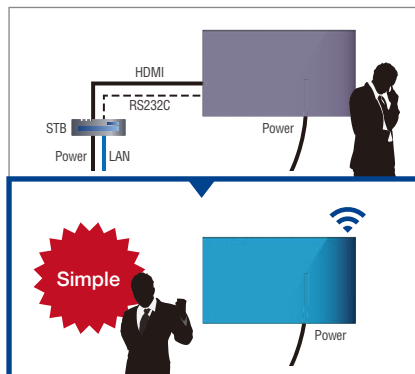


CPU, GPU, and memory are all included in an SoC (System on a Chip).  
\* Total capacity of storage including OS.



## No Need for External Devices and Cables

Thanks to the built-in media player function, external devices such as set-top boxes, PCs, and associated cabling are not required for digital signage applications. Wireless functionality paves the way to simple, stress-free installation while saving you time and money.



## Panasonic Original Home Screen

Initial setup of network and language preferences is easy using the remote controller\* and original Panasonic Home Screen.

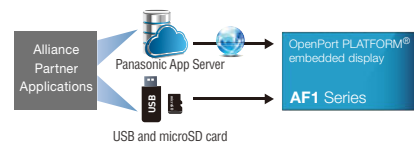
\* Some setting and application operations cannot be performed using the remote control. In this case, use a USB mouse to operate.



## Simple App Installation

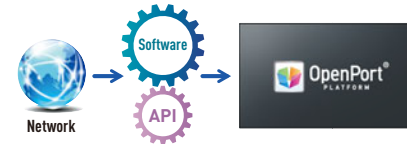
Applications are easily accessed and installed via Panasonic App Server\*, which streamlines settings before operation. App installation is also enabled via USB drive or microSD card.

\* Certain partner apps not supported.



## Panasonic API Expands Application Functions

Panasonic's clear and intuitive API (Application Programming Interface) enables the expansion of application functions, allowing the display to be controlled remotely without need of RS232C or other complicated applications.



## A Reliable, Fully Certified Platform

The OpenPort PLATFORM® based on Android™ is fully certified by Google to assure stable, secure, and reliable operation.

## Mutual Check with App Alliance Partners

Applications running on OpenPort PLATFORM® are thoroughly checked by alliance partners and Panasonic for stable and secure operation.



See our partners:  
<https://panasonic.net/cns/prodisplays/products/af1/#partners>

## Optional Early Warning Software (ET-SWA100 Series)

Optional ET-SWA100 Series\* Early Warning Software monitors the displays and projectors connected to an intranet and informs you when an abnormality is detected or there are symptoms of trouble. With this software installed, a monitoring server can be controlled remotely via tablet or PC.

\* Multi Monitoring & Control Software Ver2.0 or later is required. Part number suffix may differ depending on the license type.

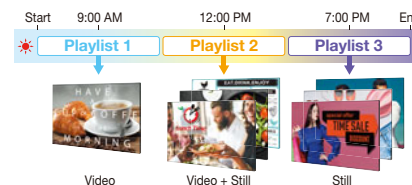
## Make Your Signage Easy with Panasonic Application

AF1 Series displays include a builtin Signage Player Application\* that eliminates need of an external Settop Box (STB). As well as saving space, your signage system becomes smart and simple.

\* OpenPort PLATFORM® Version 2.0 firmware (or later) is required.

## Play Content Automatically with Scheduling Function

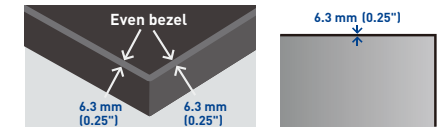
Content Management Software for PC Version 1.1 (free) enables easy playlist creation with media support including combinations of still and video images. You can set up schedules for playing and closing your media playlist at predetermined dates and times.



## Standard

## Bright and Stylish IPS Display

The slim-bezel AF1 Series is offered in 42-, 49-, and 55-inch sizes and features an edge-lit LED IPS panel with a high 500 cd/m² of brightness. This efficient technology assures uncommonly good off-axis visibility, preserving accurate color reproduction even in bright ambient light. Furthermore, the AF1 Series features a slim 6.3 mm-bezel-width that boosts perceived image size while enhancing any interior design.



## Supports Connection of Peripheral Devices

Peripheral devices such as a mouse, keyboard, or USB camera can be connected to AF1 Series displays to further expand functionality.



Note: Some USB devices are not supported.

## Supports External Memory Devices

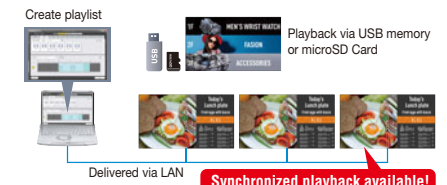
USB drives and microSD cards can also be used to expand the 8 GB internal memory storage capacity.



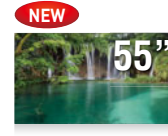
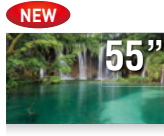
For more information about Content Management Software Version 1.1, please visit:  
<https://panasonic.net/cns/prodisplays/download/software/>

## Convenient Playlist and Schedule Syncing

Playlists and schedules created with Content Management Software can be transferred to displays with USB memory, microSD Card, or via LAN. Synchronized playback on multiple displays is also supported.



# VF2H/VF1H VF2/LFV Series



Video Wall

Model no.	TH-55VF2H	TH-55VF1H		TH-55VF2	TH-55LFV70
Screen size (Diagonal)/Aspect Ratio	55-inch (1387 mm)/16:9	55-inch (1387 mm)/16:9		55-inch (1387 mm)/16:9	55-inch (1387 mm)/16:9
Panel Type	IPS/Direct LED	IPS/Direct LED		IPS/Direct LED	IPS/Direct LED
Effective Display Area (W x H)	1209.6 x 680.3 mm (47.6" x 26.7")	1209 x 680 mm (47.6" x 26.7")		1209.6 x 680.3 mm (47.6" x 26.7")	1209 x 680 mm (47.6" x 26.7")
Resolution (H x V)	1920 x 1080	1920 x 1080		1920 x 1080	1920 x 1080
Brightness (Typ.)	700 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>		500 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>
Contrast Ratio	1100:1	1200:1		1100:1	1200:1
Dynamic Contrast Ratio	500000:1	500000:1		500000:1	500000:1
Response Time	8.0 ms (G to G)	8.0 ms (G to G)		8.0 ms (G to G)	12 ms (G to G)
Viewing Angle (Horizontal/Vertical)	178° / 178° (CR≥10)	178° / 178° (CR≥10)		178° / 178° (CR≥10)	178° / 178° (CR≥10)
Panel Surface Treatment	Advanced Anti-Glare (Haze 28 %)	Anti-Glare (Haze 44 %)		Advanced Anti-Glare (Haze 28 %)	Anti-Glare (Haze 44 %)
HDMI In	HDMI Type A Connector x 1			HDMI Type A Connector x 1	
VIDEO In	—	BNC x 1 (Shared with Component In)		—	BNC x 1 (Shared with Component In)
Audio In (L/R)	—	Pin Jack x 1 set (Shared with Component In.)		—	Pin Jack x 1 set (Shared with Component In.)
Component/RGB In	—	BNC x 1 set (Shared with VIDEO In)		—	BNC x 1 set (Shared with VIDEO In)
Audio In (L/R)	—	Pin Jack x 1 set (Shared with VIDEO In)		—	Pin Jack x 1 set (Shared with VIDEO In)
DisplayPort In	DisplayPort x 1 (DP1.1a Dual Mode Only)	DisplayPort x 1 (DP1.1 support, Dual Mode only)		DisplayPort x 1 (DP1.1a Dual Mode Only)	DisplayPort x 1 (DP1.1 support, Dual Mode only)
DisplayPort Out	—	—		—	—
DVI-D In	DVI-D 24-pin x 2 (Female)			DVI-D 24-pin x 2 (Female)	
Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with PC In)			Stereo Mini Jack (M3) x 1 (Shared with PC In)	
DVI-D Out	—			—	
PC In	Mini D-Sub 15-pin x 1 (Female)			Mini D-Sub 15-pin x 1 (Female)	
Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)			Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)	
DVI-I Out	—			—	
USB	USB Connector (TYPE-A) x 1, DC 5 V/500 mA (USB2.0)*	USB Connector (TYPE-A) x 1, DC 5 V/500 mA (USB3.0 is not supported.)		USB Connector (TYPE-A) x 1, DC 5 V/500 mA (USB2.0)*	USB Connector (TYPE-A) x 1, DC 5 V/500 mA (Memory Viewer only, USB3.0 is not supported.)
Serial In/Out	D-Sub 9-pin x 1 (Male) / x 1 (Female), RS-232C Compatible D-Sub 9-pin x 1 (Male) / x 1, RS-232C Compatible			D-Sub 9-pin x 1 (Male) / x 1 (Female), RS-232C Compatible D-Sub 9-pin x 1 (Male) / x 1, RS-232C Compatible	
DIGITAL LINK In/DIGITAL LINK Out	RJ45 x 1 / x 1, 100 BASE-TX, Compatible with long reach mode and PLink™ (Shared with LAN)			RJ45 x 1 / x 1, 100 BASE-TX, Compatible with long reach mode and PLink™ (Shared with LAN)	
LAN	RJ45 x 1 / x 1, (100 BASE-TX, Compatible with PLink™) (Shared with DIGITAL LINK)			RJ45 x 1 / x 1, (100 BASE-TX, Compatible with PLink™) (Shared with DIGITAL LINK)	
IR In/Out	Stereo Mini Jack (M3) x 1 / x 1			Stereo Mini Jack (M3) x 1 / x 1	
Audio 1 In	Stereo Mini Jack (M3) x 1	—		Stereo Mini Jack (M3) x 1	—
Audio 2 In	L/R Pin Jack x 1	—		L/R Pin Jack x 1	—
Audio Out	Stereo Mini Jack (M3) x 1, 0.5 V [rms] Variable (- ∞ ~ 0 dB) (1 kHz 0 dB Input, 10 kΩ Load)	Stereo Mini Jack (M3) x 1 set		Stereo Mini Jack (M3) x 1, 0.5 V [rms] Variable (- ∞ ~ 0 dB) (1 kHz 0 dB Input, 10 kΩ Load)	Pin Jack x 1 set
Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz		220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
Power Consumption	300 W	300 W		300 W	330 W
Stand-by Condition	Approx. 0.5 W	Approx. 0.5 W		Approx. 0.5 W	Approx. 0.5 W
Dimensions (W x H x D)	1210.6 x 681.3 x 97.3 mm (47.66" x 26.82" x 3.83")	1211.4 x 681.2 x 99 mm (47.7" x 26.9" x 3.9")		1210.6 x 681.3 x 97.3 mm (47.66" x 26.82" x 3.83")	1213.4 x 684.2 x 95 mm (47.8" x 27.0" x 3.7")
Carton Size (W x H x D)	1395 x 848 x 280 mm (55.0" x 33.4" x 11.1")	1544 x 973 x 301 mm (60.8" x 38.3" x 11.9")		1395 x 848 x 280 mm (55.0" x 33.4" x 11.1")	1551 x 961 x 450 mm (61.1" x 37.8" x 17.7")
Bezel Width	T/B/L/R: 0.44 mm (0.018")	T/R/L/B: 0.9 mm (0.036")		T/B/L/R: 0.44 mm (0.018")	L/T: 2.25 mm (0.089"), R / B: 1.25 mm (0.049")
Bezel to Bezel <sup>*1</sup>	0.88 mm (0.034") (Multi Screen)	1.8 mm (0.07") (Multi Screen)		0.88 mm (0.034") (Multi Screen)	3.5 mm (0.14") (Multi Screen)
Weight	Approx. 23.0 kg (50.7 lbs.)	Approx. 25.0 kg (55.1 lbs.)		Approx. 23.0 kg (50.7 lbs.)	Approx. 30.0 kg (66.1 lbs.)
Gross Weight	Approx. 34.0 kg (75.0 lbs.)	Approx. 34.0 kg (75.0 lbs.)		Approx. 34.0 kg (75.0 lbs.)	Approx. 45.0 kg (99.2 lbs.)
Pitch for Wall-Hanging	VESA compliant 400 x 400 mm (15.8" x 15.8")			VESA compliant 400 x 400 mm (15.8" x 15.8")	
External Speaker	—	8 Ω, 20 W [10W + 10 W] (10% THD)		—	8 Ω, 20 W [10W + 10 W] (10% THD)
Orientation <sup>*2</sup>	Landscape/Portrait	Landscape/Portrait		Landscape/Portrait	Landscape/Portrait
Tilting Angle <sup>*2</sup>	Vertical Only	Vertical Only		Vertical Only	Vertical Only
Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F) <sup>3</sup> / 0 °C to 35 °C (32 °F to 95 °F) <sup>4</sup> / Humidity: 20% to 80% (No Condensation)	Temperature: 0 °C to 40 °C (32 °F to 104 °F) <sup>3</sup> / 0 °C to 35 °C (32 °F to 95 °F) <sup>4</sup> / Humidity: 10% to 90% (No Condensation)		Temperature: 0 °C to 40 °C (32 °F to 104 °F) <sup>3</sup> / 0 °C to 35 °C (32 °F to 95 °F) <sup>4</sup> / Humidity: 20% to 80% (No Condensation)	Temperature: 0 °C to 40 °C (32 °F to 104 °F) <sup>5</sup> / Humidity: 10% to 90% (No Condensation)
Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 10% to 90% (Non condensation)			Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 10% to 90% (Non condensation)	
Operating Time <sup>*6</sup>	24 h/day	24 h/day		24 h/day	24 h/day
Cover Frame Kit	—	TY-CF55VW1		—	TY-CF55VW1
Installation Mount	TY-VK55LV2	TY-VK55LV2		TY-VK55LV2	TY-VK55LV2
Early Warning Software <sup>*7</sup>	ET-SWA100/105 Series	ET-SWA100 Series		ET-SWA100/105 Series	ET-SWA100 Series
Auto Display Adjustment Upgrade Kit <sup>*8</sup>	TY-VUK10	TY-VUK10		TY-VUK10	TY-VUK10
Multi Window Processor	—	ET-MWP100		—	ET-MWP100

\*1: Bezel-to-Bezel distance means the combined top and bottom (or left and right) bezel width of adjacent displays in multi-screen. The gap between displays is not included. Note a gap of 0.5 mm (0.02") or more is required when installing multiple displays.

\*2: Please contact your sales representative with regard to the tilt angle before installation.

\*3: For up to 1400 m (4593 ft) altitude. \*4: For between 1400m (4593 ft) to 2800 m (9186 ft) altitude. \*5: For up to 2000 m (6562 ft) altitude.

\*6: In case of 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.

\*7: Multi Monitoring & Control Software Ver. 2.1 or later is required. Suffix of the part number may differ depending on the license type.

\*8: Download the latest Video Wall Manager from Global Website in advance. (<https://panasonic.net/cns/prodisplays/download/software/vwm/>)



DISPLAY PANEL	Model no.	TH-55LFV9	TH-49LFV8
	Screen size (Diagonal)/Aspect Ratio	55-inch (1387.8 mm)	49-inch (1232 mm)
	Panel Type	IPS/Direct LED	IPS/Direct LED
	Effective Display Area (W x H)	1209.6 x 680.4 mm (47.62" x 26.78")	1074 x 604 mm (42.3" x 23.8")
	Resolution (H x V)	1920 x 1080	1920 x 1080
	Brightness (Typ.)	500 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>
	Contrast Ratio	1200:1	1300:1
	Dynamic Contrast Ratio	500000:1	500000:1
	Response Time	8.0 ms (G to G)	8.0 ms (G to G)
	Viewing Angle (Horizontal/Vertical)	178° / 178° (CR≥10)	178° / 178° (CR≥10)
	Panel Surface Treatment	Anti-Glare (Haze 28 %)	Anti-Glare (Haze 3 %)
TERMINAL	HDMI In	HDMI Type A Connector x 2	
	VIDEO In	BNC x 1 (Shared with Component In)	BNC x 1 (Shared with Component In)
	Audio In (L/R)	Stereo Mini Jack x 1 (Shared with Component In)	Pin Jack x 1 (Shared with Component In)
	Component/RGB In	BNC x 1 set (Shared with VIDEO In)	BNC x 1 set (Shared with VIDEO In)
	Audio In (L/R)	Stereo Mini Jack x 1 (Shared with Video In)	Pin Jack x 1 (Shared with VIDEO In)
	DisplayPort In	DisplayPort x 1 (DP1.1a / DP1.2)	DisplayPort x 1 (DP1.2 support, HDBP1.3 Compatible)
	DisplayPort Out	DisplayPort x 1	DisplayPort x 1 (DP1.2 support, HDBP1.3 Compatible)
	DVI-D In	DVI-D 24-pin x 1 (Female)	
	Audio In (L/R)	Pin Jack (L+R) x 1 set (Shared with PC In)	Stereo Mini Jack (M3) x 1 (Shared with PC In)
	DVI-D Out	—	
	PC In	Mini D-Sub 15-pin x 1 (Female)	
	Audio In (L/R)	Pin Jack (L+R) x 1 set (Shared with DVI-D In)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)
	DVI-I Out	DVI-I 29-pin x 1	DVI-I 29-pin x 1 (Female)
	USB	USB Connector (TYPE-A) x 1, DC 5V/500mA (USB2.0)	USB Connector (TYPE-A) x 1, DC 5V/500 mA (USB3.0 is not supported)
	Serial In/Out	2.5 mm Phone Jack x 1 / x 1	2.5 mm Stereo Mini Jack x 1 / x 1, RS232C Compatible
	DIGITAL LINK In/DIGITAL LINK Out	—	
GENERAL	LAN	RJ45 x 1, 10 BASE-T / 100 BASE-TX, Compatible with PoE Link™	RJ45 x 1 (10 BASE-T/100BASE-TX, Compatible with PoE Link™)
	IR In/Out	2.5 mm Phone Jack x 1 / x 1	Stereo Mini Jack (M3) x 1 / x 1
	Audio Out	Stereo Mini Jack (M3) x 1 0.5 V [rms] Variable (-∞ ~ 0 dB) (1 kHz 0 dB Input, 10 kΩ Load)	Stereo Mini Jack (M3) x 1
	Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
	Power Consumption	185 W	220 W
	Stand-by Condition	Approx. 0.5 W	Approx. 0.5 W
	Dimensions (W x H x D)	1213.4 x 684.2 x 98.0 mm (47.78" x 26.94" x 3.86")	1077.7 x 607.9 x 103.9 mm (42.5" x 24.0" x 4.1")
	Carton Size (W x H x D)	1395 x 848 x 280 mm (55.0" x 33.4" x 11.1")	1374 x 901 x 373 mm (54.1" x 35.5" x 14.7")
	Bezel Width	L/T: 2.25mm (0.089"), R/B: 1.25mm (0.049")	L/T: 2.25mm (0.089"), R/B: 1.25mm (0.049")
	Bezel to Bezel*1	3.5 mm (0.14") (Multi Screen)	3.5 mm (0.14") (Multi Screen)
OPTIONS	Weight	27.0 kg (59.5 lbs.)	Approx. 22.0 kg (48.5 lbs.)
	Gross Weight	37.0 kg (81.6 lbs.)	Approx. 35.0 kg (77.2 lbs.)
	Pitch for Wall-Hanging	VESA compliant 400 x 400 mm (15.8" x 15.8")	
	External Speaker	8 Ω, 20 W [10W + 10 W] (10% THD)	
	Orientation*2	Landscape/Portrait	Landscape/Portrait
	Tilting Angle*2	Vertical Only	Vertical Only
	Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F)*3 / 0 °C to 35 °C (32 °F to 95 °F)*4 / Humidity: 20% to 80% (No Condensation)	Temperature: 0 °C to 40 °C (32 °F to 104 °F)*3 / Humidity: 20-90 % (Non condensation)
	Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 10% to 90 % (Non condensation)	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 5% to 95 % (Non condensation)
	Operating Time*6	24 h/day	24 h/day
	Cover Frame Kit	—	—
OPTIONS	Installation Mount	TY-VK55LV2	TY-VK49LV2
	Early Warning Software*7	ET-SWA100/105 Series	ET-SWA100 Series
	Auto Display Adjustment Upgrade Kit*8	TU-VUK10	TY-VUK10
	—	—	—

\*1: Bezel-to-Bezel distance means the combined top and bottom (or left and right) bezel width of adjacent displays in multi-screen. The gap between displays is not included. Note a gap of 0.5 mm (0.02") or more is required when installing multiple displays.

\*2: Please contact your sales representative with regard to the tilt angle before installation.

\*3: For up to 1400 m (4593 ft) altitude. \*4: For between 1400m (4593 ft) to 2800 m (9186 ft) altitude. \*5: For up to 2000 m (6562 ft) altitude.

\*6: In case of 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.

\*7: Multi Monitoring & Control Software Ver. 2.1 or later is required. Suffix of the part number may differ depending on the license type.

\*8: Download the latest Video Wall Manager from Global Website in advance. (<https://panasonic.net/cns/prodisplays/download/software/vwm/>)

Wondering how many multi-screens to use?

## Here's what a Video Wall Configurator recommends.

The Panasonic Global site lets you easily check how many displays you can mount in your available space. Just input the wall space and the number of displays you want to install.

Visit this website for details:

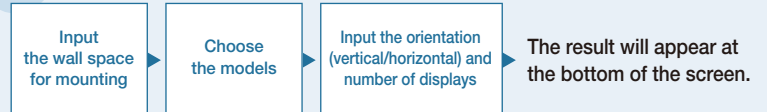
[https://panasonic.net/cns/prodisplays/support/videowall\\_config/](https://panasonic.net/cns/prodisplays/support/videowall_config/)

The screenshot shows the Panasonic Video Wall Configurator interface. On the left, there are input fields for Wall Size (Width: 5.0 m, Height: 3.0 m), Model (TH-55LFV9), Orientation (Landscape), and Layout (Fit to Room). The main area displays a 3x3 grid of displays with dimensions. On the right, the 'Calculation Results' section shows:

Calculation Results	
Total Size (W x H x D)	Approx. 1.22 x 0.69 x 0.10 m (3.99' x 2.25' x 0.33')
Screen Configuration	1 (W) x 1 (H)
Total Pixels	1,920 (H) x 1,080 (V)
Brightness	500 cd/m <sup>2</sup>
Bezel Width	L/T: 2.25 mm (0.089"), R/B: 1.25 mm (0.049")
Total Power Consumption	185 W
Total On Mode Average Power Consumption (*1)	183 W
Total BTU	Max. 667 BTU
Total Weight of Displays	Approx. 27.0 kg / 59.5 lbs.

\*1 Based on IEC 62387 E12 measurement method.  
Note:  
- Note that a gap of 0.5 mm (0.02") or more is required when installing multiple displays.  
- Screen size calculation is based on the ambient temperature for displays does not exceed 40°C.  
- For the minimum periphery of the display, leave a space of 10 cm (3.94") or more at the top, bottom, left and right.  
At the rear, leave a space of 15 cm (5.91") or more.

### 3 simple steps



Installation video



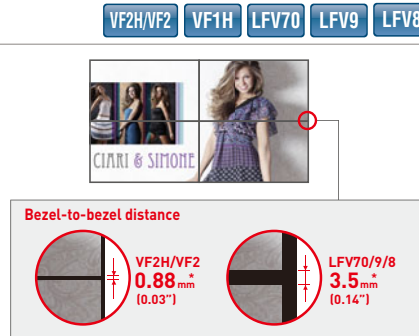
Video Wall Workflow Panasonic TY-VK55LV1



## Narrow Bezel for Seamless Video Walls

Narrow frames on Panasonic's LCD Video Wall Series reduce bezel-to-bezel distance to a near-invisible 0.88 mm\*. Even when viewed close-up, screen borders are almost indiscernible, resulting in truly spectacular large-format images.

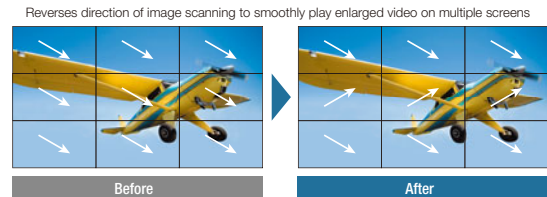
\* TH-55VF2H/55VF2 features 0.88 mm (0.03"), TH-55VF1H features 1.8 mm (0.07"), and TH-55LFV70/9/8 3.5 mm (0.14"). Bezel-to-bezel distance refers to the combined top and bottom (or left and right) bezel-width of adjacent displays in video-wall configuration. The gap between displays is not included. Note that a gap of 0.5 mm or more is required when installing multiple displays.



## Improved Multi-Screen Video Visibility

When high-speed video is played on multiple screens in a video wall, some image misalignment can occur between vertically adjacent panels. VF2H, VF2 and VF1H Series feature a Reverse Scan Function that alternates the scanning direction of vertically adjacent displays to improve image alignment. Frame Control Function, meanwhile, adjusts the number of video frames displayed to reproduce images with natural fluidity.

### Reverse Scan Function

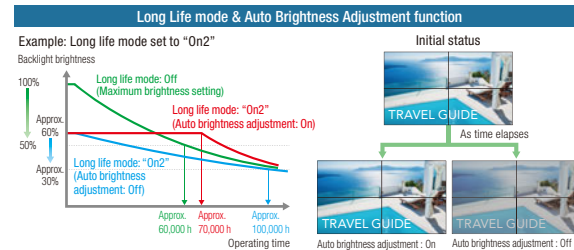


Note: Images are simulated.

## Delivers Stable Brightness for Up to 8 Years\*

The VF1H Series incorporates Long Life mode and a new Auto Brightness Adjustment function. In Long Life mode, backlight brightness is optimized to extend product life. Auto Brightness Adjustment function corrects light output automatically according to the rate of backlight deterioration to maintain constant brightness for longer.

\* Figure is approximate when operating continuously for 24 hours x 365 days.

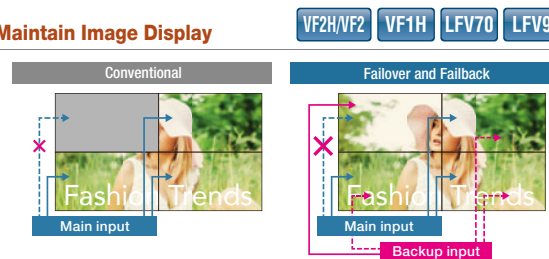


Note: Assuming operating conditions of 25 °C (± 2 °C). Environmental conditions and conditions of usage may affect brightness longevity and operating period. "On2" delivers approximately 60 % maximum specified backlight brightness. Auto brightness adjustment cannot be turned on if panel illumination period has exceeded 1,000 hours. Note: Images and graphs are simulated.

## Failover and Failback Safeguards Maintain Image Display

Digital signal inputs comprise one or two DVI-D terminals together with HDMI, DisplayPort, DIGITAL LINK\*, and USB terminals. If primary audio-video signals are interrupted, the display immediately switches to an alternative input. This makes the Panasonic LCD Video Wall Series (except LFV8) well suited for use in control rooms and in other applications where uninterrupted playback is essential.

\* DIGITAL LINK available on VF2H, VF2, VF1H and LFV70 only. Display Port available on VF2H, VF2, LFV70 only.



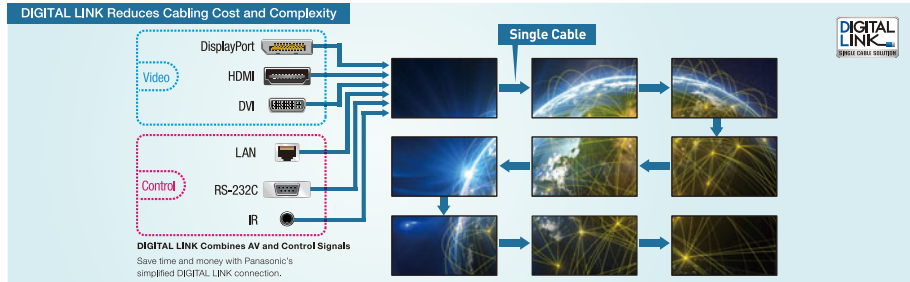
If AV signals via the primary input is interrupted, images are no longer displayed.

If the primary AV signal is interrupted, the system automatically switches to a backup input so video display is maintained.

Note: Possible combinations of main/backup input signals are limited. For details, please visit the Panasonic website.

## DIGITAL LINK Simplifies Installation at Lower Cost

Based on HDBaseT™ technology, the DIGITAL LINK connection on VF2H, VF2, VF1H and LFV70 Series displays supports audio, video, and control signal transmission over long distances, and can also be used to daisy-chain multiple displays via a single cable. This eliminates the need for video splitters and other routing devices. The LFV9/8 Series, meanwhile, supports daisy chain via DVI with separate video and control (serial or IR) connections. Note: CAT5e or higher STP cable required.

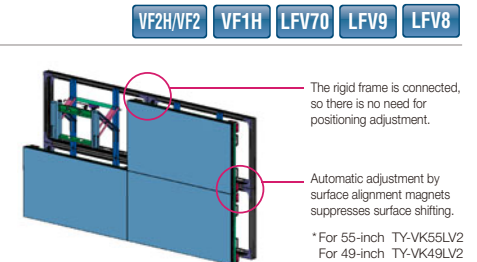


## Installation Frame Simplifies Set-up

The optional Installation Mount makes it much easier to configure a video wall. There's no need for complicated display positioning, and fluctuations between installers are covered. It also saves time and cuts labor costs.

Video wall fluctuations occur when the bezels are not correctly aligned vertically and horizontally and the surfaces are not properly adjusted. Installation is quick and easy using the rigid frame, with easy adjustment using surface alignment magnets. This structure also makes the displays easier to remove when performing maintenance.

\*Landscape setting only.



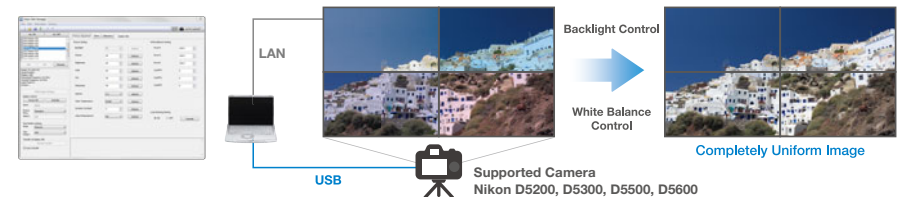
## Video Wall Manager Software and Auto Display Adjustment Upgrade Kit

Panasonic's free Video Wall Manager software can be used with LCD Video Wall Series displays. With this software, you can calibrate display color using a color sensor\*1 (optional), adjust display settings, and control and manage data via PC. If you upgrade this software with an optional TY-VUK10 Auto Camera Adjustment Kit, you can adjust brightness and color among multiple displays automatically using a compatible camera (Nikon D5200/D5300/D5500/D5600)\*2.

\*1 LFV8 series are not compatible with calibration using a color sensor.

\*2 Available only with normal zoom lens: AF-S DX NIKKOR 18-55 mm f/3.5-5.6G VR, AF-S DX NIKKOR 18-140 mm f/3.5-5.6G ED VR, AF-S DX NIKKOR 18-55 mm f/3.5-5.6G VR II

### With LFV70 and TY-VUK10 connected



Auto Display Adjustment Upgrade Kit: <https://panasonic.net/cns/prodisplays/products/ty-vuk10/>

### Other Features

- Optimized Image Modes (VF1H Series only)
- High-Performance Imaging Engine (VF1H Series only)



# BQE1/BFE1 Series



Model no.		TH-75BQE1	TH-65BFE1
DISPLAY PANEL	Screen Size (Diagonal)/Aspect Ratio	75-inch (1893 mm)/16:9	65-inch (1638 mm)
	Panel Type	VA Panel/D-LED	VA Panel/D-LED
	Effective Display Area (W x H)	1650 x 928 mm (64.9" x 36.5")	1428 x 803 mm (56.2" x 31.6")
	Resolution (H x V)	3840 x 2160	1920 x 1080
	Brightness (Typ)	400 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>
	Contrast Ratio	4000:1	4000:1
	Response Time	8.0 ms (G to G)	8.0 ms (G to G)
	Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	178°/178° (CR≥10)
	Detection Method	Infrared Blocking Detection Method	
	Touch Operation	Up to 10-point multi-touch*2	
TOUCH PANEL	OS	Windows (7/8.1/10), Mac (OS X 10.10/10.11, macOS Sierra)	
	VIDEO In	—	
	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 (Digital) x 1	
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with PC In)	
	PC In	Mini D-Sub 15-pin x1 (Female), Plug & Play (VESA DDC2B)	
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)	
TERMINAL	Audio Out(L/R)	Stereo Mini Jack (M3) x 1	
	PC Out	Mini D-Sub 15-pin x 1	
	USB A	USB 2.0 Type A Connector x 1 DV 5 V/1 A (USB 3.0 supported: TH-75BQE1 only)	
	USB B	DirectCable USB 2.0 Type A Connector x 1 DV 5 V/ 500 mA (For Touch Panel)	
	Serial In	D-Sub 9-pin x 1 for external control, RS-232C Compatible	
	IR In	Stereo Mini Jack (3.5 mm) x 1	
	DIGITAL LINK	—	
	LAN	—	
	Function Slot	—	
	Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
GENERAL	Power Consumption	370 W	205 W
	Power Off Condition/Stand-by Condition	Approx. 0 W/Approx. 0.5 W	Approx. 0 W/Approx. 0.5 W
	Dimensions (W x H x D)	1710 x 1072 x 102 mm (67.3" x 42.2" x 4.0") (with speaker mounted)	1490 x 948 x 106 mm (58.7" x 37.4" x 4.2") (with speaker mounted)
	Carton Size (W x H x D)	2010 x 1112 x 250 mm (79.2" x 43.8" x 9.9")	1640 x 1044 x 226 mm (64.6" x 41.2" x 8.9")
	Weight	Approx. 66.0 kg (145.5 lbs.) [Approx. 68.0 kg (149.9 lbs.) with speaker mounted]	Approx. 44.0 kg (97.0 lbs.) [Approx. 46.0 kg (101.4 lbs.) with speaker mounted]
	Gross Weight	Approx. 81.0 kg (178.6 lbs.)	Approx. 57.0 kg (125.7 lbs.)
	Pitch for Wall-Hanging	VESA Compliant 400 x 400 mm (15.8" x 15.8")	VESA Compliant 400 x 400 mm (15.8" x 15.8")
	Protective Glass Thickness	Approx. 4 mm (0.16")	Approx. 4 mm (0.16")
	Built-in Speaker	—	—
	External Speaker	20 W [10 W + 10 W] (10 % THD), W764 x H82 x D59 mm (W30.1" x H3.3" x D2.3")	16 W [8 W + 8 W], W764 x H82 x D59 mm (W30.1" x H3.3" x D2.3")
OTHER	Orientation	Landscape/Portrait	Landscape/Portrait
	Tilting Angle	Up to 20 degrees backward in landscape orientation	Up to 20 degrees backward in landscape orientation
	Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F) [for up to 1400 m (4593 ft) altitude] / 0 °C to 35 °C (32 °F to 95 °F) [for between 1400 m (4593 ft) and 2800 m (9186 ft) altitude], 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*2	16 h/day	
	Built-in wireless LAN function: Standard	—	
	Infrastructure Mode	—	
	Pedestal	TY-ST75PE9	TY-ST75PE9

\*1: When using Windows®. When using Mac single touch.

\*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.

## Touch Screen

### Whiteboard Software for Full Use of Educational Materials

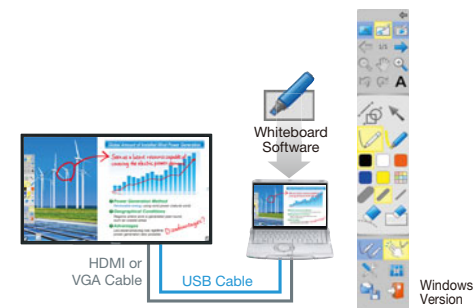
BQE1 BFE1

This software can be used to display educational materials, and to make lessons easier to understand by jotting in notes.

- Presentation Functions\* (Magnifying Glass, Pen/Marker)
- Electronic Pen, Finger-Touch Input
- Screen Capture/Recording Function\*
- Simultaneous Operation of Multiple Points (BF1: Up to 12 points for Windows®, 4 points for Mac BQE/BFE1: Up to 10 points for Windows®, Single Touch for Mac)
- Reading and Writing of JPEG and Other Image Data
- Writing and Saving of PowerPoint® Data\*

\* For the latest software please visit our global website:

<https://panasonic.net/cns/prodisplays/download/software/>



### Large, Easy-to-See Display Sizes for Classrooms and Conference Rooms

BQE1 BFE1

A large, 65-inch size that is easy to see in classrooms and conference rooms, and an even larger, 75-inch size are available. Select the one that matches the room size. Terminals for PC and HDMI input support highly detailed images (the TH-75BQE1 has 4K resolution) of lesson materials and other data. Even complicated drawings and small text are clear and legible as well.



### Touch-Panel Provides Easy-to-Understand Information

Ideal for use as floor maps and signage to describe products in a showroom.

- Multi-touch input allows several people to write simultaneously.
- Easy-to-hear front speaker (included).
- Can be vertically installed. The speaker can also be mounted in the vertical configuration.
- Complies with VESA standards. Third-party mounting fixtures can be used.



# Panasonic Software Line-up

In order to maximize the use of professional displays, Panasonic offers a variety of software and applications (some free of charge, and others for a fee).

## Content Management Software

Content Management Software makes it possible to create scheduling data and media playlist on a PC and save it to one or more SD Cards. Insert the card into Space Players to execute the schedule. The software reduces complexity for temporary installations or where the device is frequently moved from place to place.



Compatible Display: AF1 Series (Ver.1.1 only), SQ1 Series, SF2 Series, SF2H Series, and EQ1 Series  
<https://panasonic.net/cns/prodisplays/download/software/>

## Whiteboard Software

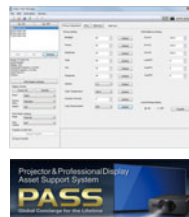
This simple software is easy to operate. Requiring no PC installation, it can be started and used from external memory. Switching to a convenient, simple menu when using the Remote Pointer is also supported.



Compatible Displays: BQE1 Series, BFE1 Series  
<https://panasonic.net/cns/prodisplays/download/software/#whiteboard>

## Auto Display Adjustment Upgrade Kit (TY-VUK10)

Panasonic's free Video Wall Manager software can be used with LCD Video Wall Series displays. With this software, you can calibrate display color using a color sensor, adjust display settings, and control and manage data via PC. If software is upgraded with an optional TY-VUK10 Auto Display Adjustment Upgrade Kit, brightness and color among multiple displays can be automatically calibrated using a compatible camera (Nikon D5200/D5300/D5500/D5600)\*.



\* Available only with normal zoom lens: AF-S DX NIKKOR 18-55 mm f/3.5-5.6G VR, AF-S DX NIKKOR 18-140 mm f/3.5-5.6G ED VR, AF-S DX NIKKOR 18-55 mm f/3.5-5.6G VR II

For more information, please visit the PASS: <https://panasonic.net/cns/prodisplays/pass/>

## Mobile App (iOS/Android)

### Wireless Projector

This is an application that lets you send displayed screenshot, document files (PDF, PowerPoint, Excel, Word), and JPEG/PNG images saved to Android devices (tablets and smartphones) to a Panasonic wireless display over a wireless LAN (Wi-Fi), and display them. The application also lets you rotate the screen, enlarge or reduce the screen with a pinch operation, and flip through pages with a flick operation.



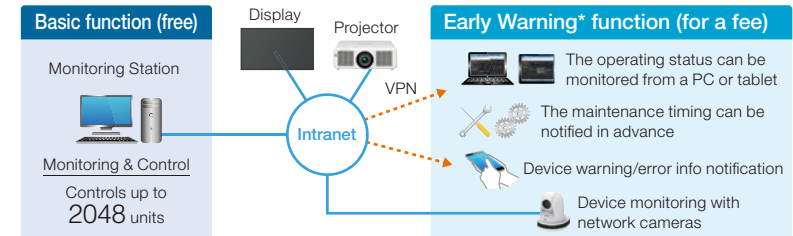
- Dedicated wireless apps for iOS and Android™
- Fewer steps to connect
- Wide media compatibility and functionality

For more information, please visit the Website:  
<https://panasonic.net/cns/prodisplays/download/software/#wireless>

## Software & App

## Multi Monitoring & Control Software

This free Panasonic software offers monitoring and control of up to 2,048 projectors and professional displays over a LAN network from a single PC to simplify management and maintenance while supporting stable operation. If you also purchase Early Warning Software (ET-SWA100), it will monitor the status of projectors and displays on the intranet and inform you of errors when it detects signs of trouble. This contributes to a lighter maintenance load and reduces costs.



\* Software function support varies by model.  
 \* Multi Monitoring & Control Software Ver. 2.0 or higher is required to use the Early Warning function.

### Features

#### • Map Display

Image files, such as floor plans, can be loaded, and the icon for each device can be positioned by 'Drag & Drop'.



• **Auto Search of the Devices to Be Registered**  
 You can select the devices to be registered from devices automatically searched on the network.\*1

#### • Other Features

- Monitoring of the status of each device\*2
- Execution of control commands
- Scheduling function
- Delivery of the contents list\*3

## Early Warning Function (ET-SWA100)

### Maintenance Scheduling Suggestion\*3

It is easier to plan for maintenance by predicting the approximate time for maintenance and service based on the usage monitoring.

### Video Stop Detection Using a Network Camera

Images of registered projectors or displays can be monitored regularly by a supported network camera\*4. You can also receive a notification when an abnormality such as a blackout or an image freeze happens.

**If you install 'Multi Monitoring & Control Software,' a free 90-day trial is automatically available.**



\*1: Some devices can't be registered using the auto search function depending on the device status and network environment.  
 \*2: Software functionality varies depending on the model. \*3: Function for supported projectors and professional displays only.  
 \*4: Panasonic Network camera (BB-S/DG-S/VW-S series), Panasonic PTZ camera (AW-UE70/HE40/HE130 series).

For more information about compatible displays, please visit the Website:  
[https://panasonic.net/cns/prodisplays/download/software/multi/dl\\_files/DeviceList-Multi\\_EN.pdf](https://panasonic.net/cns/prodisplays/download/software/multi/dl_files/DeviceList-Multi_EN.pdf)

**Early Warning function License** \* If you install "Multi Monitoring Control Software", a free 90 day trial.  
 For more information, please visit the PASS: <https://panasonic.net/cns/prodisplays/pass>

## Optional Accessories

		Standard																					
		TH-98SQ1	TH-86SQ1	TH-75SQ1	TH-65SQ1	TH-55SQ1	TH-49SQ1			TH-80SF2H	TH-70SF2H	TH-55SF1H	TH-49SF1H	TH-42SF1H	TH-55LF80	TH-49LF80	TH-42LF80	TH-55SF2	TH-49SF2	TH-43SF2	TH-55AF1	TH-49AF1	TH-42AF1
Screen Size (inch)		98	86	75	65	55	49			80	70	55	49	42	55	49	42	55	49	43	55	49	42
FUNCTION BOARD																							
3G-SDI Terminal Board	TY-SB01SS	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1			-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUNTING OPTIONS																							
Pedestal	TY-ST75PE9	-	-	Yes	-	-	-			Yes	Yes	-	-	-	-	-	-	-	-	-	-	-	-
	TY-ST55PE9	-	-	-	Yes	Yes	-			-	-	-	-	-	-	-	-	Yes	-	-	-	-	-
	TY-ST43PE9	-	-	-	-	-	Yes			-	-	-	-	-	-	-	-	-	Yes	Yes	-	-	-
	TY-ST43PE8	-	-	-	-	-	-			-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	Yes	Yes	Yes
	TY-ST32PE1	-	-	-	-	-	-			-	-	-	-	-	Yes	Yes	Yes	-	-	-	-	-	-
Wall-hanging Bracket	TY-WK98PV1	Yes	Yes	Yes	Yes	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation Mount (Landscape setting only)	TY-VK55LV2	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TY-VK49LV2	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pitch for Wall Hanging (VESA compliant models)	800 x 500 (M8)	Yes	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
	600 x 500 (M8)	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
	600 x 400 (M8)	-	Yes	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
	600 x 400 (M6)	-	-	Yes	-	-	-			Yes	-	-	-	-	-	-	-	-	-	-	-	-	-
	400 x 400 (M8)	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
	400 x 400 (M6)	-	-	-	Yes	Yes	Yes			-	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	-
	400 x 200 (M6)	-	-	-	-	-	-			-	-	-	-	-	Yes	Yes	-	-	-	-	-	-	-
	200 x 200 (M6)	-	-	-	-	-	-			-	-	-	-	Yes	-	-	Yes	-	-	-	-	-	Yes
	100 x 100 (M4)	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS																							
DIGITAL LINK Switcher	ET-YFB200G	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes*3	Yes*3	Yes*3	-	-	-
Digital Interface Box	ET-YFB100G	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes*3	Yes*3	Yes*3	-	-	-
Multi Window Processor	ET-MWP100*2	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

The specification has a case to change without notice.

\*1: This terminal board is supported only when the main software version of the display is 3.5000 or later and the sub software version of the display is 03.50 or later.

For update, please contact your Panasonic dealer.

\*2: The availability varies depending on the country.

\*3: The part number suffix may differ depending on the license type.

For information that is not included on this page, please visit the following website:  
<https://panasonic.net/cns/prodisplays/index.html>

## Optional Accessories

		Entry									Video Wall						Touch Screen	
		TH-86EQ1	TH-75EQ1	TH-65EQ1	TH-55EQ1	TH-50EQ1	TH-43EQ1		TH-32EF1	TH-48LFE8	TH-55VF2H	TH-55VF1H	TH-55VF2	TH-55LVF70	TH-55LVF9	TH-49LVF8	TH-75BQE1	TH-65BFE1
Screen Size (inch)		86	75	65	55	50	43		32	48	55	55	55	55	55	49	75	65
FUNCTION BOARD																		
3G-SDI Terminal Board	TY-SB01SS	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
MOUNTING OPTIONS																		
Pedestal	TY-ST75PE9	-	Yes	-	-	-	-		-	-	-	-	-	-	-	-	Yes	Yes
	TY-ST55PE9	-	-	Yes	-	-	-		-	-	-	-	-	-	-	-	-	-
	TY-ST43PE9	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
	TY-ST43PE8	-	-	-	Yes	Yes	Yes		-	Yes	-	-	-	-	-	-	-	-
	TY-ST32PE1	-	-	-	-	-	-		Yes	-	-	-	-	-	-	-	-	-
Wall-hanging Bracket	TY-WK98PV1	Yes	Yes	Yes	-	-	-		-	-	-	-	-	-	-	-	-	-
Installation Mount	TY-VK55LV2	-	-	-	-	-	-		-	-	Yes	Yes	Yes	Yes	Yes	-	-	-
(Landscape setting only)	TY-VK49LV2	-	-	-	-	-	-		-	-	-	-	-	-	-	Yes	-	-
Pitch for Wall Hanging	800 x 500 (M8)	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
(VESA compliant models)	600 x 500 (M8)	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
	600 x 400 (M8)	Yes	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
	600 x 400 (M6)	-	Yes	-	-	-	-		-	-	-	-	-	-	-	-	-	-
	400 x 400 (M8)	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
	400 x 400 (M6)	-	-	Yes	-	Yes	-		-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	400 x 200 (M6)	-	-	-	Yes	-	-		-	-	-	-	-	-	-	-	-	-
	200 x 200 (M6)	-	-	-	-	-	Yes		-	Yes	-	-	-	-	-	-	-	-
	100 x 100 (M4)	-	-	-	-	-	-		Yes	-	-	-	-	-	-	-	-	-
OTHERS																		
DIGITAL LINK Switcher	ET-YFB200G	-	-	-	-	-	-		-	-	-	Yes	-	Yes	-	-	-	-
Digital Interface Box	ET-YFB100G	-	-	-	-	-	-		-	-	-	Yes	-	Yes	-	-	-	-
Multi Window Processor	ET-MWP100*1	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

The specification has a case to change without notice.

\*1: The availability varies depending on the country.

For information that is not included on this page, please visit the following website:  
<https://panasonic.net/cns/prodisplays/index.html>



# Features

Features		Standard																				
		TH-98SQ1	TH-86SQ1	TH-75SQ1	TH-65SQ1	TH-55SQ1	TH-49SQ1		TH-80SF2H	TH-70SF2H	TH-55SF1H	TH-49SF1H	TH-42SF1H	TH-55LF80	TH-49LF80	TH-42LF80	TH-55SF2	TH-49SF2	TH-43SF2	TH-55AF1	TH-49AF1	TH-42AF1
Size (inch)		98	86	75	65	55	49		80	70	55	49	42	55	49	42	55	49	43	55	49	42
SPECIFICATIONS	Touch Operation	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	IP Rating	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Operating Time	24	24	24	24	24	24		24	24	24	24	24	24	24	24	24	24	24	24	24	24
	DIGITAL LINK	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1		Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	-	-	-
	Wireless Function	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protective Glass	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Function Slot		Intel® SDM							-	-	-	-	-	-	-	-	-	-	-	-	-	-
INSTALLATION	Portrait	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Multi Screen (Multi Display Setting)*2	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Daisy Chain Connection	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Pre Calibration	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fan-less Design		Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FUNCTIONS	Built-in Whiteboard	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	USB Media Player	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Memory Viewer	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	-	-	-	-	-	-	Yes	Yes	Yes	-	-	-
	Data Cloning	USB/LAN							USB/LAN		USB		USB		USB		USB/LAN		USB		USB	
	HDMI CEC	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	-	-	-	-	-	-	Yes	Yes	Yes	-	-	-
	Custrmized Image Setting	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	-	-	-	-	-	-	Yes	Yes	Yes	-	-	-
	USB Memory Network Setting	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	-	-	-	-	-	-	Yes	Yes	Yes	-	-	-
	Multi Input Display*3	Yes	Yes	Yes	Yes	Yes	Yes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Portrait Zoom Mode	Yes*4	Yes*4	Yes	Yes	Yes	Yes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cisco Systems® Link	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Conference Audio Mode	Yes*5	Yes*5	Yes	Yes	Yes	Yes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Input Search (No Signal Auto Switch Setting/Input Signal Search)	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Failover/Failback	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	1:1Pixel Mode	-	-	-	-	-	-		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Color Management	12-axis							6-axis		6-axis		6-axis		6-axis		6-axis		6-axis		6-axis	
	Color Enhancement	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Adaptive Contrast Correction	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Refine Enhancer	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Gradation Smoother	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Frame Creation	Yes	Yes	Yes	Yes	Yes	Yes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Motion Smoother	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dynamic Backlight	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Set up Timer	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Off Timer Setting	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Power on Screen Delay	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Auto Setup	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
No Activity Power Off	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
PJ Link Protocol	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
LAN Control (Network Control)	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Web Browser Control	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Remote ID Control (Function)	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Serial ID Control (Function)	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Local Dimming	Yes	Yes	Yes	Yes	Yes	Yes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ECO Mode/Power Management Mode	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Audio Input Select (Switching)	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
SOFTWARE	Multi Monitoring & Control Software Compatible	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Early Warning Software Compatible*6	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Video Wall Manager	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Auto Display Adjustment Upgrade Kit (TY-VUK10)	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Content Management Software	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	-	-	-	-	-	-	Yes	Yes	Yes	Yes (Ver1.1)		

\*1: Long Reach Mode compatible. TH-65SF2E (for Europe/CIS) and TH-65/55/49/42SF2W (for Asia, Middle East, Africa) only. \*2: The number of units that can be set as a group varies depending on the model. For details, see the Operation Manual of each model. \*3: There are restrictions on the input signal and 4-Input Multi Display function. For details, see the Operation Manual of each model. \*4: This function is compatible with the Software Main Version 3.0000 or later. \*5: This function is compatible with the Software Main Version 4.0000 or later. \*6: The part number suffix may differ depending on the license type.

Note: The specifications may vary depending on the model, even for the same function. For details, see the Operation Manual of each model.

# Features

Features		Entry									Video Wall						Touch Screen	
		TH-86EQ1	TH-75EQ1	TH-65EQ1	TH-55EQ1	TH-50EQ1	TH-43EQ1		TH-32EF1	TH-48LFE8	TH-55VF2H	TH-55VF1H	TH-55VF2	TH-55LFEV70	TH-55LFEV9	TH-49LFEV8	TH-75BQE1	TH-65BFE1
Size (inch)		86	75	65	55	50	43		32	48	55	55	55	55	55	49	75	65
SPECIFICATIONS	Touch Operation	-	-	-	-	-	-		-	-	-	-	-	-	-	-	Yes	Yes
	IP Rating	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
	Operating Time	24	24	18	18	18	18		16	16	24	24	24	24	24	24	16	16
	DIGITAL LINK	-	-	-	-	-	-		-	-	Yes	Yes	Yes	Yes	-	-	-	-
	Wireless Function	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
	Protective Glass	-	-	-	-	-	-		-	-	-	-	-	-	-	-	Yes	Yes
	Function Slot	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
INSTALLATION	Portrait	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Multi Screen (Multi Display Setting)*1	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
	Daisy Chain Connection	Yes (IR only)							Yes (IR only)	Yes (IR only)	Yes	Yes	Yes	Yes	Yes	Yes	-	-
	Pre Calibration	-	-	-	-	-	-		-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-
	Fan-less Design	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	-	-	-	Yes	Yes
FUNCTIONS	Built-in Whiteboard	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
	USB Media Player	Yes	Yes	Yes	Yes	Yes	Yes		Yes*2	Yes*2	Yes	Yes	Yes	Yes	Yes	-	-	-
	Memory Viewer	Yes	Yes	Yes	Yes	Yes	Yes		-	-	-	-	-	-	-	-	-	-
	Data Cloning	USB/LAN							USB	USB	USB/LAN	USB/LAN	USB/LAN	-	-	-	-	-
	HDMI CEC	Yes	Yes	Yes	Yes	Yes	Yes		-	-	-	-	-	-	-	-	-	-
	Custmized Image Setting	Yes	Yes	Yes	Yes	Yes	Yes		-	-	Yes	Yes	Yes	-	-	-	-	-
	USB Memory Network Setting	Yes	Yes	Yes	Yes	Yes	Yes		-	-	Yes	Yes	Yes	-	-	-	-	-
	Multi Input Display*3	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
	Portrait Zoom Mode	Yes*4	Yes*4	Yes*4	Yes*4	Yes*4	Yes*4		-	-	-	-	-	-	-	-	-	-
	Cisco Systems® Link	Yes*4	Yes*4	Yes*4	Yes*4	Yes*4	Yes*4		-	-	-	-	-	-	-	-	-	-
	Conference Audio Mode	Yes*4	Yes*4	Yes*4	Yes*4	Yes*4	Yes*4		-	-	-	-	-	-	-	-	-	-
	Input Search (No Signal Auto Switch Setting/Input Signal Search)	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	-	-	-	Yes	Yes
	Failover/Failback	Yes	Yes	Yes	Yes	Yes	Yes		-	-	Yes	Yes	Yes	Yes	Yes*5	Yes*5	-	-
	1:1Pixel Mode	-	-	-	-	-	-		Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-
	Color Management	6-axis							-	-	-	-	-	-	-	-	-	-
	Color Enhancement	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
	Adaptive Contrast Correction	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
	Refine Enhancer	Yes	Yes	Yes	Yes	Yes	Yes		-	-	Yes	Yes	Yes	-	-	-	-	-
	Gradation Smoother	Yes	Yes	Yes	Yes	Yes	Yes		-	-	-	Yes	-	-	-	-	-	-
	Frame Creation	Yes	Yes	-	-	-	-		-	-	-	-	-	-	-	-	-	-
	Motion Smoother	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dynamic Backlight	Yes	Yes	Yes	Yes	Yes	Yes		-	-	Yes	Yes*6	Yes	-	-	-	-	-	
Set up Timer	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	-	-	Yes	Yes	
Off Timer Setting	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Power on Screen Delay	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	
Auto Setup	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	-	-	Yes	Yes	
No Activity Power Off	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	-	-	-	Yes	Yes	
PJ Link Protocol	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	
LAN Control (Network Control)	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	
Web Browser Control	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	
Remote ID Control (Function)	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	
Serial ID Control (Function)	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	
Local Dimming	Yes	Yes	-	-	-	-		-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	
ECO Mode/Power Management Mode	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Audio Input Select (Switching)	Yes	Yes	Yes	Yes	Yes	Yes		-	-	Yes	Yes	Yes	-	-	-	-	-	
SOFTWARE	Multi Monitoring & Control Software Compatible	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
	Early Warning Software Compatible*7	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
	Video Wall Manager	Yes	Yes	Yes	Yes	Yes	Yes		Yes	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-
	Auto Display Adjustment Upgrade Kit (TY-VUK10)	-	-	-	-	-	-		-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-
	Content Management Software	Yes	Yes	Yes	Yes	Yes	Yes		-	-	Yes	-	Yes	-	Yes	-	-	-

\*1: The number of units that can be set as a group varies depending on the model. For details, see the Operation Manual of each model. \*2: Some files cannot be played back even if they are in the supported format. Regarding restrictions, see the Operation Manual. \*3: There are restrictions on the input signal and 4-Input Multi Display function. For details, see the Operation Manual of each model. \*4: This function is compatible with the Software Main Version 2.2000 or later. \*5: Th-55LFEV9 support only the Failover function. The switching time varies depending on the model and setting. \*6: Multi Dynamic Backlight. \*7: The part number suffix may differ depending on the license type.

Note: The specifications may vary depending on the model, even for the same function. For details, see the Operation Manual of each model.