

Panasonic

BUSINESS



Professional **DISPLAYS**

Line-up Catalog February 2020



Worldwide
Olympic Partner



Worldwide
Paralympic Partner



Panasonic Professional Displays Lineup

Advanced Professional

LinkRay Compatible Models

SF2H Series

700cd/m²

80"

TH-80SF2H

70"

TH-70SF2H

SF1H Series

700cd/m²

55"

TH-55SF1H

49"

TH-49SF1H

42"

TH-42SF1H



LinkRay™



24/7 operation



Media Player



DIGITAL LINK



Portrait

LF80 Series

700cd/m²

55"

TH-55LF80

49"

TH-49LF80

42"

TH-42LF80



24/7 operation



Media Player



DIGITAL LINK



Portrait

Standard

Available from summer 2020

SQ1 Series

500cd/m²

98"

TH-98SQ1

86"

TH-86SQ1

75"

TH-75SQ1

65"

TH-65SQ1

55"

TH-55SQ1

49"

TH-49SQ1



4K PROFESSIONAL



24/7 operation



DIGITAL LINK



Media Player



Portrait



Intel SDM



4K



Daisy Chain

*Actual resolution: 3840 x 2160p

SF2 Series

450cd/m²

55"

TH-55SF2

49"

TH-49SF2

43"

TH-43SF2



24/7 operation



Media Player



Portrait

EQ1
Series350cd/m²

86"

TH-86EQ1

75"

TH-75EQ1

65"

TH-65EQ1

55"

TH-55EQ1

50"

TH-50EQ1

43"

TH-43EQ1



*1: Actual resolution : 3840 x 2160p

*2: TH-86EQ1/75EQ1 only

*3: TH-43/50/55/65EQ1 only

CQ1
Series400cd/m²

86"

TH-86CQ1

75"

TH-75CQ1

65"

TH-65CQ1

55"

TH-55CQ1

50"

TH-50CQ1

43"

TH-43CQ1



*Actual resolution : 3840 x 2160p

EF1
Series350cd/m²

32"

TH-32EF1

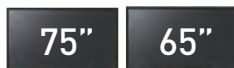


Panasonic Professional Displays Lineup

Multi-Touch Screen

Infrared Technology

BQE1/
BFE1 400cd/m²



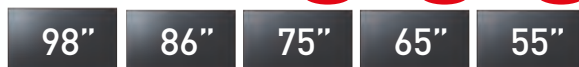
TH-75BQE1 TH-65BFE1



(BQE1 only)

*Actual resolution : 3840 x 2160p

SQ1-IR 500cd/m²
Series

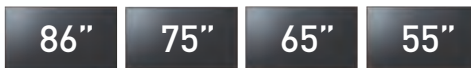


TH-98SQ1-IR TH-86SQ1-IR TH-75SQ1-IR TH-65SQ1-IR TH-55SQ1-IR

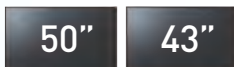


*Actual resolution : 3840 x 2160p

EQ1-IR 350cd/m²
Series



TH-86EQ1-IR TH-75EQ1-IR TH-65EQ1-IR TH-55EQ1-IR



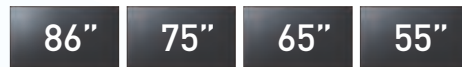
TH-50EQ1-IR TH-43EQ1-IR



*1: Actual resolution : 3840 x 2160p *2: TH-86EQ1/75EQ1-IR only *3: TH-43/50/55/65EQ1-IR only

InGlass Touch Technology

NEW
SQ1-IG 500cd/m²
Series



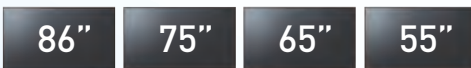
TH-86SQ1-IG TH-75SQ1-IG TH-65SQ1-IG TH-55SQ1-IG



*Actual resolution : 3840 x 2160p



NEW
EQ1-IG 350cd/m²
Series



TH-86EQ1-IG TH-75EQ1-IG TH-65EQ1-IG TH-55EQ1-IG



*1: Actual resolution : 3840 x 2160p *2: TH-86EQ1/75EQ1-IG only *3: TH-55/65EQ1-IG only

NEW

Available from summer 2020

VF2H

700cd/m²

55"

0.88mm

TH-55VF2H

NEW

Available from summer 2020

VF2

500cd/m²

55"

0.88mm

TH-55VF2

VF1H

700cd/m²

55"

1.8mm

TH-55VF1H

NEW

LFV9

500cd/m²

55"

3.5mm

TH-55LFV9



(LFV9 only)

(VF2H/VF2/VF1H only)



AIB GROUP

Dublin, Ireland

AIB delivers a collaborative workspace at Central Park with Panasonic Display Technology

Panasonic has helped AIB bank with an innovative, inspiring working environment using the latest collaboration technology with a total of nearly 200 Panasonic professional displays across seven floors. Integrated by McKeon Group, the technology blueprint is already being considered for three further sites which will take the total number of displays to over 500 staff to new, well appointed offices that will improve communication and collaboration.



Solution

The installation of nearly 200 Panasonic displays and projectors to create collaborative work spaces, digital signage and a video wall.



Equipment Installed

TH-43LFE8
TH-43LFE8E-IR
TH-49LFV8
TH-55LFE8E-IR
TH-75BQE1
TH-55LFE8

SF1H/SF2H Series



Model no.	TH-55SF1H	TH-49SF1H	
DISPLAY PANEL	Screen Size (Diagonal)/Aspect Ratio	55-inch (1387 mm)/16:9	49-inch (1232 mm)/16:9
	Panel Type	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")
	Resolution (H x V)	1920 x 1080	1920 x 1080
	Brightness (Typ)*	700 cd/m ²	700 cd/m ²
	Contrast Ratio	1300:1	1300:1
	Dynamic Contrast Ratio	50000:1	50000:1
	Response Time	8 ms (G to G)	8 ms (G to G)
TERMINAL	Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	178°/178° (CR≥10)
	Panel Surface Treatment	Anti-Glare (Haze 10 %)	Anti-Glare (Haze 10 %)
	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	
	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	
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with PC In)	
	DVI-D Out	DVI-D 24-pin x 1	
	PC In	Mini D-Sub 15-pin x 1 (Female)	
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)	
	Audio Out (L/R)	Stereo Mini Jack (M3) x 1	
	Serial In/Out	D-sub 9-pin x 1/x 1, RS-232C Compatible	
	DIGITAL LINK	RJ45 x 1 100BASE-TX, Compatible with PLink™ (Shared with LAN)	
	LAN	RJ45 x 1 100BASE-TX, Compatible with PLink™ (Shared with DIGITAL LINK)	
	IR In/Out	Stereo Mini Jack (M3) x 1 / x 1	
	USB	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	190 W	175 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" *)
	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")
	Bezel Width	R/L/T/B: 6.3 mm (0.25")	R/L/T/B: 6.3 mm (0.25")
	Weight	Approx. 24.9 kg (54.9 lbs.)	Approx. 19.2 kg (42.4 lbs.)
	Gross Weight	Approx. 33.0 kg (72.8 lbs.)	Approx. 26.0 kg (57.4 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	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.]	
	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)	
	Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non-condensation)	
	Operating Time*4	24 h/day	
OPTIONS	Pedestal	TY-ST43PE8	TY-ST43PE8
	Digital Interface Box	ET-YFB100G	ET-YFB100G
	DIGITAL LINK Switcher	ET-YFB200G	ET-YFB200G
	Early Warning Software*5	ET-SWA100 Series	ET-SWA100 Series
	Auto Display Adjustment Upgrade Kit*6	TY-VUK10	TY-VUK10
	Multi Window Processor	ET-MWP100G	ET-MWP100G

+ 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").



TH-42SF1H		TH-80SF2H		TH-70SF2H	
42-inch [1064 mm]/16:9		80-inch [2032 mm]/16:9		70-inch [1765 mm]/16:9	
IPS Panel/E-LED		VA Panel/E-LED		VA Panel/E-LED	
927 x 521 mm [36.5" x 20.5"]		1771 x 996 mm [69.7" x 39.2"]		1538 x 865 mm [60.5" x 34.0"]	
1920 x 1080		1920 x 1080		1920 x 1080	
700 cd/m ²		700 cd/m ²		700 cd/m ²	
1300:1		5000:1		5000:1	
50000:1		50000:1		50000:1	
8 ms [G to G]		4.0 ms [G to G]		8.0 ms [G to G]	
178°/178° [CR≥10]		176°/176° [CR≥10]		176°/176° [CR≥10]	
Anti-Glare [Haze 10 %]		Anti-Glare [Haze 5 %]		Anti-Glare [Haze 12 %]	
		4-pole Mini Jack [M3] x 1 [Audio In shared with DVI-D In/PC In/Video In]			
		HDMI Type A Connector x 2			
		—			
		DVI-D 24-pin x 1 [DVI Revision 1.0 compliant], HDCP 1.1 compatible			
		4-pole Mini Jack [M3] x 1 [Shared with PC/VIDEO In]			
		DVI-D 24-pin x 1 [DVI Revision 1.0 compliant], HDCP 1.1 compatible			
		Mini D-sub 15-pin x 1 [DDC2B compatible]			
		4-pole Mini Jack [M3] x 1 [Shared with DVI-D/VIDEO In]			
		Stereo Mini Jack [M3] x 1			
		D-sub 9-pin x 1/x 1, RS-232C Compatible			
		RJ45 x 1, 100BASE-TX, Compatible with PLink™ [Shared with LAN]			
		RJ45 x 1, 100BASE-TX, Compatible with PLink™ [Shared with DIGITAL LINK]			
		Stereo Mini Jack [M3] x 1/x 1			
		USB Type A Connector x 1, DC 5 V/1 A [USB 3.0 is not supported]			
220-240 V AC, 50 Hz/60 Hz		220-240 V AC, 50 Hz/60 Hz		220-240 V AC, 50 Hz/60 Hz	
155 W		380 W		235 W	
Approx. 0.3 W		Approx. 0.3 W		Approx. 0.3 W	
Approx. 0.5 W		Approx. 0.5 W		Approx. 0.5 W	
947 x 541 x 72 *mm [37.3" x 21.3" x 2.8"]		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"]	
1123 x 743 x 203 mm [44.3" x 29.3" x 8.0"]		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"]	
R/L/T/B: 6.3 mm [0.25"]		R/L/T/B: 28.5 mm [1.12"]		R/L: 18.6 mm [0.73"], T/B: 23.6 mm [0.92"]	
Approx. 15.5 kg [34.2 lbs.]		Approx. 62.0 kg [135.0 lbs.]		Approx. 45.0 kg [99.0 lbs.]	
Approx. 20.0 kg [44.1 lbs.]		Approx. 73.0 kg [159.0 lbs.]		Approx. 55.0 kg [119.0 lbs.]	
VESA compliant 200 x 200 mm [7.9" x 7.9"]		VESA compliant 600 x 400 mm [23.6" x 15.8"]		VESA compliant 400 x 400 mm [15.8" x 15.8"]	
20 W [10 W + 10 W]		20 W [10 W + 10 W]		20 W [10 W + 10 W]	
		Landscape/Portrait [Angle adjustment 0-45 degrees for both left and right: landscape setting only]			
		0-20 degrees forward/backward with landscape/portrait setting			
		[Angle adjustment is not possible for forward/backward tilting installation.]			
		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: -20 °C to 60 °C [-4 °F to 140 °F] / Humidity: 20 % to 80 % [Non-condensation]			
		24 h/day			
TY-ST43PE8		TY-ST75PE9		TY-ST75PE9	
ET-YFB100G		ET-YFB100G		ET-YFB100G	
ET-YFB200G		ET-YFB200G		ET-YFB200G	
ET-SWA100 Series		ET-SWA100 Series		ET-SWA100 Series	
TY-VUK10		TY-VUK10		TY-VUK10	
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/]

LF80 Series



Model no.	TH-55LF80	TH-49LF80	
DISPLAY PANEL	Screen Size (Diagonal)/Aspect Ratio	55-inch (1387 mm)/16:9	49-inch (1232 mm)/16:9
	Panel Type	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")
	Resolution (H x V)	1920 x 1080	1920 x 1080
	Brightness (Typ)	700 cd/m ²	700 cd/m ²
	Contrast Ratio	1300:1	1300:1
	Dynamic Contrast Ratio	50000:1	50000:1
TERMINAL	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 10 %)	Anti-Glare (Haze 10 %)
	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	
	Component/RGB In	BNC x 1 set (Shared with Video In)	
GENERAL	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with Video In)	
	DVI-D In	DVI-D 24-pin x 1	
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with PC In)	
	DVI-D Out	DVI-D 24-pin x 1	
	PC In	Mini D-Sub 15-pin x 1 (Female)	
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)	
	Audio Out (L/R)	Stereo Mini Jack (M3) x 1	
OPTIONS	Serial In/Out	D-sub 9-pin x 1/x 1, RS-232C Compatible	
	DIGITAL LINK	RJ45 x 1 100BASE-TX, Compatible with PLink™ (Shared with LAN)	
	LAN	RJ45 x 1 100BASE-TX, Compatible with PLink™ (Shared with DIGITAL LINK)	
	IR In/Out	Stereo Mini Jack (M3) x 1 / x 1	
	USB	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	175 W
GENERAL	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"*)
	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")
	Bezel Width	6.3 mm (0.25")	6.3 mm (0.25")
	Weight	Approx. 24.7 kg (54.5 lbs.)	Approx. 19.0 kg (41.9 lbs.)
	Gross Weight	Approx. 32.0 kg (70.6 lbs.)	Approx. 26.0 kg (57.4 lbs.)
GENERAL	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	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.)	
	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)	
	Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non-condensation)	
	Operating Time*5	24 h/day	
OPTIONS	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.



TH-42LF80	
	42-inch (1064 mm)/16:9
	IPS Panel/E-LED
	927 x 521 mm (36.5" x 20.5")
	1920 x 1080
	700 cd/m ²
	1300:1
	50000:1
	8 ms (G to G)
	178°/178° (CR≥10)
	Anti-Glare (Haze 10 %)
	BNC x 1 (Shared with Component /RGB Y/G)
	Stereo Mini Jack (M3) x 1 (Shared with Component In)
	HDMI Type A Connector x 2
	BNC x 1 set (Shared with Video In)
	Stereo Mini Jack (M3) x 1 (Shared with Video In)
	DVI-D 24-pin x 1
	Stereo Mini Jack (M3) x 1 (Shared with PC In)
	DVI-D 24-pin x 1
	Mini D-Sub 15-pin x 1 (Female)
	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)
	Stereo Mini Jack (M3) x 1
	D-sub 9-pin x 1/x 1, RS-232C Compatible
	RJ45 x 1 100BASE-TX, Compatible with PLink™ (Shared with LAN)
	RJ45 x 1 100BASE-TX, Compatible with PLink™ (Shared with DIGITAL LINK)
	Stereo Mini Jack (M3) x 1 / x 1
	USB Type A Connector x 1, DC 5V/1A (USB 3.0 is not supported.)
	220-240 V AC, 50 Hz/60 Hz
	155 W
	Approx. 0.3 W
	Approx. 0.5 W
	947 x 541 x 72*mm (37.3" x 21.3" x 2.8*★)
	1123 x 743 x 203 mm (44.3" x 29.3" x 8.0")
	6.3 mm (0.25")
	Approx. 15.3 kg (33.7 lbs.)
	Approx. 20.0 kg (44.1 lbs.)
	VESA compliant 200 x 200 mm (7.9" x 7.9")
	20 W [10 W + 10 W]
	Landscape/Portrait (Angle adjustment 0-45 degrees for both left and right)
	0-45 degrees forward/backward with landscape/portrait setting*1
	(Angle adjustment is not possible for forward/backward tilting installation.)
	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: -20 °C to 60 °C (-4 °F to 140 °F) / Humidity: 20 % to 80 % (Non-condensation)
	24 h/day
	TY-ST43PE8
	ET-YFB100G
	ET-YFB200G
	ET-SWA100 Series
	TY-VUK10
	ET-MWP100G

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

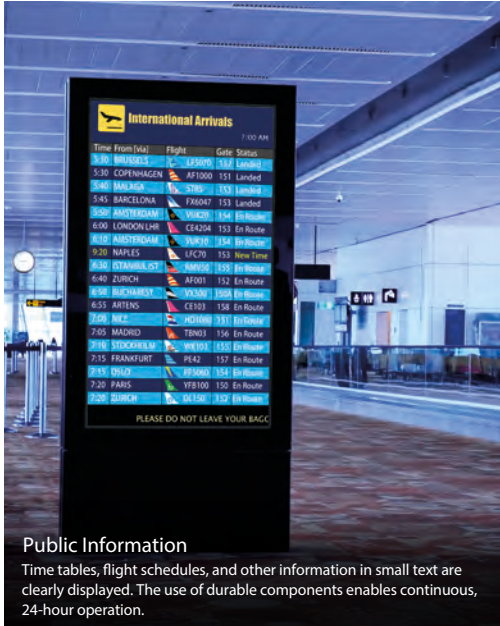
SQ1 Series



Model no.		TH-98SQ1	TH-86SQ1
DISPLAY PANEL	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 ²	500 cd/m ²
	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 %)
TERMINAL	HDMI In	HDMI TYPE-A Connector x 2*	
	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)*3	
	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 PjLink™	
	DIGITAL LINK	RJ45 x 1, 100 BASE-TX, Compatible with long reach mode and PjLink™	
GENERAL	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*6	24 h/day	
OPTIONS	Pedestal	—	
	Wall-hanging Bracket	TY-WK98PV1	TY-WK98PV1
	Ceiling-hanging Bracket	—	
	Mobile Stand	—	
	3G-SDI Terminal Board	—	
	Early Warning Software	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	TY-VUK10	TY-VUK10

*1: HDCP1.4 supported, Embedded audio supported. [SQ1: HDCP2.2 supported] *2: HDCP1.3 supported, Embedded audio supported. *3: RGB/YPbPr switchable.
 *4: Please contact your sales representative with regard to the tilt angle before installation. *5: Environmental temperature to use this unit at high altitudes (1400 m [4593 ft] and higher and below 2400 m [7874 ft] above sea level): 0 °C to 35 °C [32 °F to 95 °F] When using the unit where it is 1400 m [4593 ft] and higher and below 2400 m [7874 ft] above sea level, make sure [High altitude mode] is set to [ON]. *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.

A wide range of professional applications



Public Information

Time tables, flight schedules, and other information in small text are clearly displayed. The use of durable components enables continuous, 24-hour operation.



Shopping Malls

Material textures and depths are realistically reproduced. Outstanding expression provides high-class, eye-catching displays.



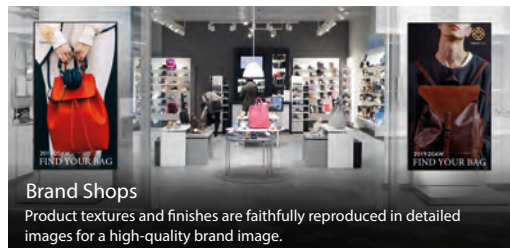
Meeting Spaces

Large-screen, highly detailed images are ideal for simulation applications. CAD and other precise illustrations can be shared among many people.



Conference Rooms

Built-in speakers enable effective utilization of wall space. People's facial expressions are also clearly seen in videoconferences.



Brand Shops

Product textures and finishes are faithfully reproduced in detailed images for a high-quality brand image.



Broadcasting Stations and Studios

Beautiful, large-screen 4K images provide clear images.



Art Galleries and Museums

The brush strokes and materials of exhibit items are beautifully expressed in 4K images. Ideal for use in art gallery and museum events.

SQ1 Series

Available from Summer 2020

NEW



Model no.		TH-75SQ1	TH-65SQ1
DISPLAY PANEL	Screen size (Diagonal)/Aspect Ratio	75-inch (1892.7 mm)/16:9	65-inch (1638.9 mm) /16:9
	Panel Type	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")
	Resolution (H x V)	3840 x 2160	3840 x 2160
	Brightness	500 cd/m ²	500 cd/m ²
	Contrast Ratio	1200:1	1100:1
	Response Time	8.0 ms (G to G)	8.0 ms (G to G)
TERMINAL	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 (HDCP2.2 supported)	
	DisplayPort In	DisplayPort x 1 (HDCP2.2 supported)*1	
	DisplayPort Out	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)	
	DVI-D In	DVI-D 24-pin x 1 (DVI Revision 1.0 Compliant), HDCP 1.1 compatible	
GENERAL	Audio In (L/R)	Stereo Mini Jack (M3) x 2 (Shared with PC In)	
	PC In	Mini D-sub 15-pin x 1 (Female)	
	Audio In (L/R)	Stereo Mini Jack (M3) x 2 (Shared with DVI-D In)	
	Audio Out	30 W (15 W + 15 W) 10% THD	
	Serial In	D-Sub 9-pin x 1, RS232C Compatible	
	DIGITAL LINK	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™	
OPTIONS	IR In/Out	Stereo Mini Jack (M3) x 1 / x 1	
	Function Slot	x1 (Intel® SDM specification)	
	Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
	Power Consumption	385 W (TBD)	320 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)	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")
GENERAL	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")
	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")
	Weight	Approx. 56.0 kg (123.5 lbs.) (TBD)	Approx. 36.0 kg (79.4 lbs.)
	Gross Weight	Approx. 71.0 kg (156.6 lbs.) (TBD)	Approx. 47.0 kg (103.7 lbs.)
	Pitch for Wall-Hanging	VESA compliant 400 x 400 mm (15.8" x 15.8")	
	Built-in Speaker	Yes	Yes
	Orientation	Landscape/Portrait*2	
GENERAL	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
	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)	
	Storage Environment	Temperature: -20 °C to 60 °C (-4 °F to 140 °F), Humidity: 20 % to 80 % (No Condensation)	
	Operating Time*6	24 h/day	
	3G-SDI Terminal Board	TY-SB01SS	TY-SB01SS
	Pedestal	TY-ST55PE9	TY-ST55PE9
	Wall-Hanging Bracket	TY-WK98PV1	TY-WK98PV1
OPTIONS	Digital Interface Box	ET-YFB100G	ET-YFB100G
	DIGITAL LINK Switcher	ET-YFB200G	ET-YFB200G
	Early Warning Software*7	ET-SWA100/105 Series	ET-SWA100/105 Series
	Auto Display Adjustment Upgrade Kit*8	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/>)

NEW



55"

NEW



49"

	TH-55SQ1	TH-49SQ1
	55-inch (1387.8 mm) /16:9	49-inch (1232.0 mm) /16:9
	IPS/Edge LED	IPS/Edge LED
	1209.6 x 680.4 mm (47.62" x 26.78")	1073.8 x 604.0 mm (42.27" x 23.77")
	3840 x 2160	3840 x 2160
	500 cd/m ²	500 cd/m ²
	1100:1	1100:1
	8.0 ms [G to G]	8.0 ms [G to G]
	178° / 178° (CR≥10)	178° / 178° (CR≥10)
	Anti-Glare (Haze 28 %)	Anti-Glare (Haze 28 %)
	HDMI TYPE A Connector x 2 (HDCP2.2 supported)	
	DisplayPort x 1 (HDCP2.2 supported)* ¹	
	DisplayPort x 1 (HDCP1.4 supported)* ¹	
	USB Connector (TYPE-A) x 2, DC 5 V/2 A, DC 5V/1A (USB 3.0 Supported)	
	DVI-D 24-pin x 1 (DVI Revision 1.0 Compliant), HDCP 1.1 compatible	DVI-D 24-pin x 1
	Stereo Mini Jack [M3] x 2 (Shared with PC In)	Stereo Mini Jack [M3] x 2 (Shared with PC In)
	Mini D-sub 15-pin x 1 (Female)	
	Stereo Mini Jack [M3] x 2 (Shared with DVI-D In)	
	30 W (15 W + 15 W) 10% THD	
	D-Sub 9-pin x 1, RS232C Compatible	
	RJ45 x 1, 100 BASE-TX, Compatible with long reach mode and PLink™	
	RJ45 x 1, 10 BASE-T / 100 BASE-TX, Compatible with PLink™	
	Stereo Mini Jack [M3] x 1 / x 1	
	x1 (Intel® SDM specification)	
	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
	300 W	285 W
	Approx. 0.3 W	Approx. 0.5 W
	Approx. 0.5 W	Approx. 0.3 W
	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")
	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")
	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")
	Approx. 25.5 kg (56.3 lbs.)	Approx. 21.0 kg (46.3 lbs.)
	Approx. 34.0 kg (75.0 lbs.)	Approx. 27.0 kg (59.6 lbs.)
	VESA compliant 400 x 400 mm (15.8" x 15.8")	VESA compliant 400 x 400 mm (15.8" x 15.8")
	Yes	Yes
	Landscape/Portrait* ²	Landscape/Portrait* ²
	Landscape setting: 0 - 45 degrees forward/backward	
	Portrait setting: 0 - 45 degrees forward/backward	
	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: -20 °C to 60 °C (-4 °F to 140 °F), Humidity: 20 % to 80 % (No Condensation)	
	24 h/day	
	TY-SB01SS	TY-SB01SS
	TY-ST55PE9	TY-ST43PE9
	—	—
	ET-YFB100G	ET-YFB100G
	ET-YFB200G	ET-YFB200G
	ET-SWA100/105 Series	ET-SWA100/105 Series
	TY-VUK10	TY-VUK10

SF2 Series



Model no.		TH-55SF2	TH-49SF2
DISPLAY PANEL	Screen Size (Diagonal)/Aspect Ratio	55-inch (1387 mm)/16:9	49-inch (1232 mm)/16:9
	Panel Type	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")
	Resolution (H x V)	1920 x 1080	1920 x 1080
	Brightness (Typ)	450 cd/m ²	450 cd/m ²
	Contrast Ratio	1100:1	1100:1
	Dynamic Contrast Ratio	50000:1	50000:1
	Response Time	12 ms (G to G)	12 ms (G to G)
	Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	178°/178° (CR≥10)
	Panel Surface Treatment	Anti-Glare (Haze 1%)	Anti-Glare (Haze 1%)
TERMINAL	VIDEO In/Audio In	4-pole Mini Jack (M3) x 1	
	HDMI 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/AV In)
	DVI-D Out	DVI-D 24-pin x 1 (DVI Revision 1.0 compliant), HDCP 1.1 compatible	
	PC In	Mini D-Sub 15-pin x 1 (DDC2B 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 DVI-D/VIDEO In)	4-pole Mini Jack (M3) x 1 (Shared with PC/VIDEO In)
	Audio Out (L/R)	Stereo Mini Jack (M3) x 1	
	Serial In/Out	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)	
	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
	IR In/Out	Stereo Mini Jack (M3) x 1/x 1	
	USB	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	110 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")
	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")
	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")
	Weight	Approx. 18.0 kg (39.7 lbs.)	Approx. 14.7 kg (32.4 lbs.)
	Gross Weight	Approx. 26.0 kg (57.3 lbs.)	Approx. 21.0 kg (46.3 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*1	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*1	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)*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)*2 / Humidity: 20 % to 80 % (Non Condensation)	
	Operating Time*5	24 h/day	
	Pedestal		
	Digital Interface Box	TY-ST55PE9	TY-ST43PE9
	DIGITAL LINK Switcher	ET-YFB100G*6	ET-YFB100G*6
	Early Warning Software*7	ET-YFB200G*6	ET-YFB200G*6
	Auto Display Adjustment Upgrade Kit*8	ET-SWA100 Series TY-VUK10	ET-SWA100 Series TY-VUK10

*1: 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.

*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: SF2W Series only. *7: Multi Monitoring & Control Software Ver2.0 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/>)



TH-43SF2

43-inch (1079 mm)/16:9

IPS Panel/E-LED

941 x 529 mm [37.0" x 20.8"]

1920 x 1080

450 cd/m²

1100:1

50000:1

12 ms [G to G]

178°/178° [CR>10]

Anti-Glare [Haze 1 %]

4-pole Mini Jack [M3] x 1

HDMI Type A Connector x 2

—

DVI-D 24-pin x 1 [DVI Revision 1.0 compliant], HDCP 1.1 compatible

4-pole Mini Jack [M3] x 1 [Shared with PC/AV In]

DVI-D 24-pin x 1 [DVI Revision 1.0 compliant], HDCP 1.1 compatible

Mini D-Sub 15-pin x 1 [DDC2B compatible]

4-pole Mini Jack [M3] x 1 [Shared with DVI-D/AV In]

Stereo Mini Jack [M3] x 1

D-sub 9-pin x 1/x 1, RS-232C Compatible

RJ45 x 1, 100BASE-TX, Compatible with PLink™ for TH-43SF2W [Shared with LAN]

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

Stereo Mini Jack [M3] x 1/x 1

USB TYPE A Connector x 1, DC 5V/1A [USB 3.0 is not supported]

220-240 V AC, 50 Hz/60 Hz

95 W

Approx. 0.3 W

Approx. 0.5 W

965 x 559 x 46 mm [38.0" x 22.0" x 1.8"]

1141 x 779 x 203 mm [44.9" x 30.7" x 8.0"]

T/R/L: 9.5 mm [0.38"], B: 15.5 mm [0.61"]

Approx. 10.7 kg [23.6 lbs.]

Approx. 15.0 kg [33.1 lbs.]

VESA compliant 400 x 400 mm [15.8" x 15.8"]

20 W [10 W + 10 W]

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 setting: 0 - 45 degrees forward/backward

Portrait setting: 0 - 45 degrees forward/backward

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: -20 °C to 60 °C [-4 °F to 140 °F] / Humidity: 20 % to 80 % [Non-condensation]

24 h/day

TY-ST43PE9

ET-YFB100G*6

ET-YFB200G*6

ET-SWA100 Series

TY-VUK10

EQ1 Series



Model no.		TH-86EQ1	TH-75EQ1
DISPLAY PANEL	Screen Size (Diagonal)/Aspect Ratio	86-inch (2174 mm) /16:9	75-inch (1892 mm) /16:9
	Panel Type	IPS/Edge LED	IPS/Edge 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"]
	Resolution (H x V)	3840 x 2160	3840 x 2160
	Brightness (Typ)	350 cd/m ²	350 cd/m ²
	Contrast Ratio	1200:1	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 %]
TERMINAL	HDMI In	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]]	
	DVI-D In	DVI-D 24-pin x 1, DVI Revision 1.0 Compatible (HDCP 1.1 supported)	
	Audio In (L/R)	Stereo Mini Jack [M3] x 1 [Shared with AV/PC In]	
	PC In	Mini D-sub 15-pin x 1 [Compatible with DDC 2B]	
	Audio In (L/R)	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]	
	Serial In	D-sub 9-pin x 1, RS-232C Compatible	
	DIGITAL LINK	—	
	LAN	RJ45 x 1, 10BASE-T/100BASE-TX/1000BASE-T, Compatible with PLink™	
GENERAL	IR In/Out	Stereo 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]	
	Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
	Power Consumption	363 W	296 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)	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"]
	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"]
	Bezel Width	15.2 mm [0.6"] [T/B/L/R]	14.8 mm [0.6"] [T/B/L/R]
	Weight	Approx. 66.0 kg [145.5 lbs.]	Approx. 56.0 kg [123.5 lbs.]
OPTIONS	Gross Weight	Approx. 89.0 kg [196.3 lbs.]	Approx. 71.0 kg [156.6 lbs.]
	Pitch for Wall-Hanging	600 x 400 mm [23.6" x 15.8"] VESA Compliant	
	Built-in Speaker	20 W [10 W + 10 W]	
	Orientation*1	Landscape/Portrait	
	Tilting Angle*2	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]	
	Storage Environment	Temperature: -20 °C to 60 °C [-4 °F to 140 °F] / Humidity: 20 % to 80 % [Non condensation]	
	Operating Time*3	24 h/day	
	Pedestal	—	TY-ST75PE9
	Wall-hanging Bracket	TY-WK98PV1	TY-WK98PV1
	Early Warning Software*4	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.



	TH-65EQ1	TH-55EQ1
	65-inch (1639 mm) /16:9	55-inch (1387 mm) /16:9
	VA/Direct LED	VA/Direct LED
	1428 × 803 mm [56.2" x 31.6"]	1209 × 680 mm [47.6" x 26.7"]
	3840 x 2160	3840 x 2160
	350 cd/m ²	350 cd/m ²
	4000:1	4000:1
	50000:1	50000:1
	8 ms [G to G]	8 ms [G to G]
	178°/178° [CR≥10]	178°/178° [CR≥10]
	Anti-Glare [Haze 2 %]	Anti-Glare [Haze 2 %]
	HDMI TYPE-A Connector x 2 [HDCP2.2 supported]	
	4-pole Mini Jack [M3] x 1 [Audio: Stereo Mini Jack [M3] x 1[Shared with DVI-D/PC In]]	
	DVI-D 24-pin x 1, DVI Revision 1.0 Compatible [HDCP 1.1 supported]	
	Stereo Mini Jack [M3] x 1 [Shared with AV/PC In]	
	Mini D-sub 15-pin x 1 [Compatible with DDC 2B]	
	Stereo Mini Jack [M3] x 1 [Shared with AV/DVI-D In]	
	USB Connector [TYPE A] x 1, DC 5 V/2 A [USB 3.0 supported]	
	D-sub 9-pin x 1, RS-232C Compatible	
	—	
	RJ45 x 1, 10BASE-T/100BASE-TX/1000BASE-T, Compatible with PLink™	
	Stereo Mini Jack [M3] x 1 / x 1	
	Stereo Mini Jack [M3] x 1 / Variable Output [-∞ ~ 0 dB] [at 1 kHz 0 dB Input, 10 kΩ Loaded]	
	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
	185 W	195 W
	Approx. 0.3 W	Approx. 0.3 W
	Approx. 0.5 W	Approx. 0.5 W
	1459 × 835 × 82 mm [57.5" x 32.9" x 3.3"]	1240 × 712 × 62 mm [48.9" x 28.1" x 2.5"]
	1655 × 1078 × 280 mm [65.2" x 42.5" x 11.1"]	1365 × 864 × 185 mm [53.8" x 34.1" x 7.3"]
	3.5 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]
	Approx. 27.0 kg [59.6 lbs.]	Approx. 17.0 kg [37.5 lbs.]
	Approx. 39.0 kg [86.0 lbs.]	Approx. 24.0 kg [52.9 lbs.]
	400 x 400 mm [15.8" x 15.8"] VESA Compliant	400 x 200 mm [15.8" x 7.9"] VESA Compliant
	20 W [10 W + 10 W]	
	Landscape/Portrait	
	0-20 degrees forward/backward with landscape/portrait setting	
	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: -20 °C to 60 °C [-4°F to 140 °F] / Humidity: 20 % to 80 % [Non condensation]	
	18 h/day	
	TY-ST55PE9	TY-ST43PE8
	TY-WK98PV1	—
	ET-SWA100 Series	ET-SWA100 Series

EQ1 Series



Model no.		TH-50EQ1	TH-43EQ1
DISPLAY PANEL	Screen Size [Diagonal]/Aspect Ratio	50-inch [1257 mm] /16:9	43-inch [1079 mm] /16:9
	Panel Type	VA/Direct LED	VA/Direct 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"]
	Resolution [H x V]	3840 x 2160	3840 x 2160
	Brightness (Typ)	350 cd/m ²	350 cd/m ²
	Contrast Ratio	4000:1	4000:1
	Dynamic Contrast Ratio	50000:1	50000:1
	Response Time	8 ms [G to G]	8 ms [G to G]
TERMINAL	Viewing Angle [Horizontal/Vertical]	178°/178° [CR>10]	178°/178° [CR>10]
	Panel Surface Treatment	Anti-Glare [Haze 2 %]	Anti-Glare [Haze 2 %]
	HDMI In	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]]	
	DVI-D In	DVI-D 24-pin x 1, DVI Revision 1.0 Compatible [HDCP 1.1 supported]	
	Audio In [L/R]	Stereo Mini Jack [M3] x 1 [Shared with AV/PC In]	
	PC In	Mini D-sub 15-pin x 1 [Compatible with DDC 2B]	
	Audio In [L/R]	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]	
	Serial In	D-sub 9-pin x 1, RS-232C Compatible	
	DIGITAL LINK	—	
GENERAL	LAN	RJ45 x 1, 10BASE-T/100BASE-TX/1000BASE-T, Compatible with PLink™	
	IR In/Out	Stereo 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]	
	Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
	Power Consumption	178 W	162 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]	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"]
	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"]
	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]
	Weight	Approx. 14.0 kg [30.9 lbs.]	Approx. 9.0 kg [19.9 lbs.]
	Gross Weight	Approx. 20.0 kg [44.1 lbs.]	Approx. 14.0 kg [30.9 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
	Built-in Speaker	20W [10W + 10W]	
	Orientation*1	Landscape/Portrait	
OPTIONS	Tilting Angle*2	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 % to 80 % [No condensation]	
	Storage Environment	Temperature: -20 °C to 60 °C [-4 °F to 140 °F] / Humidity: 20 % to 80 % [No condensation]	
	Operating Time*3	18 h/day	
	Pedestal	TY-ST43PE8	TY-ST43PE8
OPTIONS	Wall-hanging Bracket	—	—
	Early Warning Software*4	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.

Sample applications, such as signage, conference monitors, etc., selected to match the needs

Eye-catching videos of new fashion collections

By placing a large display horizontally, images of models in nearly life-size scale can be displayed. The texture of materials in dresses and accessories can even be rendered.

*Life-size displays: Place an 86-inch single screen vertically.



Use USB memory to operate self-made signage

Signage can be used in a standalone configuration without having to assemble a network. The main unit's remote control can also be used for simple playlist production, so you can operate signage without using a PC or set-top box.



More efficient and clear images to share information

Display complicated drawings or detailed materials in an easy-to-read manner. Sharing information among participants will be more smooth. No more need to enlarge tables for easier viewing.



Making the better use of a larger screen

Making the better use of a larger screen
The screen can be used for more efficient video conferences. Images of materials can also be refreshed in real-time during the conference.

*Separate contracts are required for video and web conference systems.



CQ1 Series

NEW



NEW



Model no.		TH-86CQ1	TH-75CQ1
DISPLAY PANEL	Screen size (Diagonal)/Aspect Ratio	86-inch (2174 mm) /16:9	75-inch (1892 mm) /16:9
	Panel Type	IPS/Edge LED	IPS/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"]
	Resolution (H x V)	3840 x 2160	3840 x 2160
	Brightness	400 cd/m ²	400 cd/m ²
	Contrast Ratio	1200:1	1400:1
	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 3%)	Anti-Glare (Haze 3%)
TERMINAL	HDMI In	HDMI TYPE A Connector x 2	
	PC In	Mini D-Sub 15-pin x 1 [Female]	
	Audio In (L/R)	Stereo Mini Jack [M3] x 1	
	USB	USB Connector (TYPE-A) x 1, DC 5 V/0.5 A [USB 2.0 supported]	
	Serial In	D-Sub 9-pin x 1, RS232C Compatible	
	LAN	RJ45 x 1, 10 BASE-T / 100 BASE-TX	
	Audio Out	Pin Jack (L / R) x 1	
GENERAL	Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
	Power Consumption	330 W	266 W
	Power Off Condition	Approx. 0.5 W	Approx. 0.5 W
	Stand-by Condition	Approx. 0.5 W	Approx. 0.5 W
	Dimensions (W x H*1 x D)	1929 x 1103 x 80 mm [76.0" x 43.5" x 3.2"]	1684 x 969 x 94 mm [66.3" x 38.1" x 3.7"]
	Carton Size (W x H x D)	2111 x 1445 x 541 mm [83.2" x 56.9" x 21.3"]	1875 x 1124 x 265 mm [73.9" x 44.3" x 10.5"]
	Bezel Width	T/B/L/R: 15.3 mm [0.6"]	T/L/R: 14.9 mm [0.59"] B: 18.4 mm [0.72"]
	Weight	Approx. 50.0 kg [111 lbs.]	Approx. 34.0 kg [75 lbs.]
	Gross Weight	Approx. 102.0 kg [222 lbs.]	Approx. 49.0 kg [105 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"]
	Built-in Speaker	20 W [10 W + 10 W]	
	Orientation*2	Landscape	
	Tilting Angle*2	0-20 degrees forward with landscape setting	
	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]	
	Storage Environment	Temperature: -20 °C to 60 °C [-4 °F to 140 °F], Humidity: 20% to 80% [No Condensation]	
	Operating Time*3	16 h/day	

*1: Including remote controller sensor box.

*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: 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.



	TH-65CQ1
	65-inch [1638 mm] /16:9
	VA/Direct LED
	1428 x 803 mm (56.2" x 31.6")
	3840 x 2160
	400 cd/m ²
	5000:1
	8.0 ms [G to G]
	178° / 178° [CR>20]
	Anti-Glare [Haze 2%]
	HDMI TYPE A Connector x 2
	Mini D-Sub 15-pin x 1 [Female]
	Stereo Mini Jack [M3] x 1
	USB Connector [TYPE-A] x 1, DC 5V/0.5A [USB 2.0 Supported]
	D-Sub 9-pin x 1, RS232C Compatible
	RJ45 x 1, 10 BASE-T / 100 BASE-TX
	Pin Jack [L / R] x 1
	220-240 V AC, 50 Hz/60 Hz
	133 W
	Approx. 0.5 W
	Approx. 0.5 W
	1463 x 847 x 97 mm [57.6" x 33.4" x 3.8"]
	1600 x 995 x 185 mm [63.0" x 39.2" x 7.3"]
	T/L/R: 15.9 mm [0.63"] B: 19.9 mm [0.78"]
	Approx. 24.0 kg [53.0 lbs.]
	Approx. 33.0 kg [72.8 lbs.]
	VESA compliant 400 x 200 mm [15.8" x 7.9"]
	20 W [10 W + 10 W]
	Landscape
	0-20 degrees foward with landscape setting
	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: -20 °C to 60 °C [-4 °F to 140 °F]/ Humidity: 20% to 80% [No Condensation]
	16 h/day

CQ1 Series

NEW



NEW



Model no.		TH-55CQ1	TH-50CQ1
DISPLAY PANEL	Screen size (Diagonal)/Aspect Ratio	55-inch (1387 mm) /16:9	50-inch (1257 mm) /16:9
	Panel Type	VA/Direct LED	VA/Direct LED
	Effective Display Area (W x H)	1209 x 680 mm (47.6" x 26.7")	1095 x 616 mm (43.1" x 24.2")
	Resolution (H x V)	3840 x 2160	3840 x 2160
	Brightness	400 cd/m ²	400 cd/m ²
	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≥20]	178° / 178° [CR≥20]
Panel Surface Treatment		Anti-Glare (Haze 2%)	Anti-Glare (Haze 2%)
TERMINAL	HDMI In	HDMI TYPE A Connector x 2	
	PC In	Mini D-Sub 15-pin x 1 (Female)	
	Audio In (L/R)	Stereo Mini Jack [M3] x 1	
	USB	USB Connector (TYPE-A) x 1, DC 5V/0.5A (USB 2.0 Supported)	
	Serial In	D-Sub 9-pin x 1, RS232C Compatible	
	LAN	RJ45 x 1, 10 BASE-T / 100 BASE-TX	
	Audio Out	Pin Jack (L/R) x 1	
GENERAL	Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
	Power Consumption	125 W	116 W
	Power Off Condition	Approx. 0.5 W	Approx. 0.5 W
	Stand-by Condition	Approx. 0.5 W	Approx. 0.5 W
	Dimensions (W x H*1 x D)	1240 x 718 x 80 mm (48.8" x 28.3" x 3.2")	1124 x 653 x 77 mm (44.3" x 25.7" x 3.1")
	Carton Size (W x H x D)	1375 x 860 x 179 mm (54.2" x 33.9" x 7.1")	1240 x 777 x 168 mm (48.9" x 30.6" x 6.7")
	Bezel Width	T/L/R: 12.9 mm (0.51") B: 14.7 mm (0.58")	T/L/R: 11.9 mm (0.47") B: 14.4 mm (0.57")
	Weight	15.0 kg (33.1 lbs.)	13.0 kg (28.7 lbs.)
	Gross Weight	22.0 kg (48.5 lbs.)	18.0 kg (39.7 lbs.)
	Pitch for Wall-Hanging	VESA compliant 400 x 200 mm (15.8" x 7.9")	
	Built-in Speaker	20W [10 W + 10 W]	
	Orientation*2	Landscape	Landscape
	Tilting Angle*2	0-20 degrees forward with landscape setting	
	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)	
	Storage Environment	Temperature: -20 °C to 60 °C [-4 °F to 140 °F], Humidity: 20% to 80% (No Condensation)	
	Operating Time*3	16 h/day	16 h/day

*1: Including remote controller sensor box.

*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: 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.

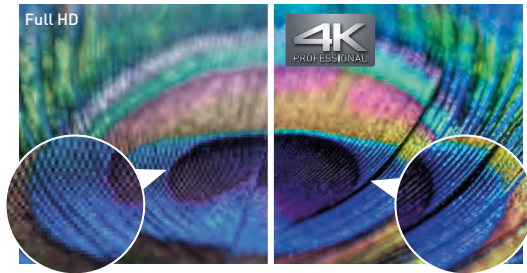


TH-43CQ1	
	43-inch [1079 mm] /16:9
	VA/Direct LED
	941 x 529 mm [37.0" x 20.8"]
	3840 x 2160
	400 cd/m ²
	4000:1
	8.0 ms (G to G)
	178° / 178° (CR≥20)
	Anti-Glare (Haze 2%)
	HDMI TYPE A Connector x 2
	Mini D-Sub 15-pin x 1 (Female)
	Stereo Mini Jack (M3) x 1
	USB Connector (TYPE-A) x 1, DC 5V/0.5A (USB 2.0 Supported)
	D-Sub 9-pin x 1, RS232C Compatible
	RJ45 x 1, 10 BASE-T / 100 BASE-TX
	Pin Jack (L/R) x 1
	220-240 V AC, 50 Hz/60 Hz
	102 W
	Approx. 0.5 W
	Approx. 0.5 W
	969 x 566 x 77 mm [38.2" x 22.3" x 3.1"]
	1070 x 675 x 160 mm [42.2" x 26.6" x 6.3"]
	T/L/R: 11.9 mm [0.47"] B: 14.9 mm [0.59"]
	9.0 kg [19.9 lbs.]
	13.0 kg [28.7 lbs.]
	VESA compliant 200 x 200 mm [7.9" x 7.9"]
	20W [10 W + 10 W]
	Landscape
	0-20 degrees forward with landscape setting
	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: -20 °C to 60 °C [-4 °F to 140 °F]/Humidity: 20% to 80% (No Condensation)
	16 h/day

Elaborate 4K Picture Quality down to the Tiniest Details

SQ1 EQ1 CQ1

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

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.

Supports the Next-Generation Intel® SDM Specification Slot Standard

SQ1

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.

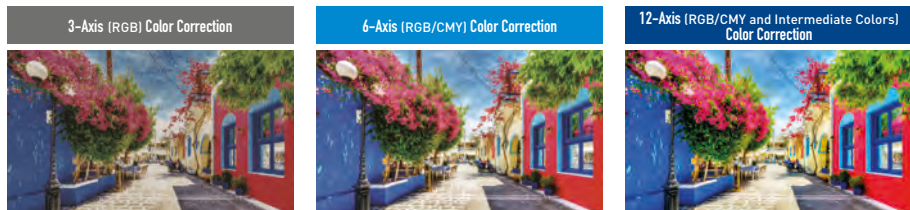


High Color Reproduction (6-Axis & 12-Axis Color Correction)

SF2H/SF1H SQ1 SF2 EQ1

*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.

**Advanced Professional****Standard****Entry**

Easy Display of Images Optimized for the Display Content

SF2H/SF1H

LF80

SQ1

SF2

EQ1

Conventional display panels are preset with display modes such as Standard and Dynamic. The SQ1, SF2H/SF1H, LF80, SF2, 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.



Vivid Signage

Displays images suitable for signage in a bright environment.



Natural Signage

Displays images with priority on natural color reproduction.



Standard

Displays images faithful to the original.



Surveillance

Displays images with reduced brightness and with priority on gradation.



Graphic

Suitable for PC input.



DICOM*

Display images close to the DICOM Part 14 Grayscale Standard.

*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.

Refine Enhancer



OFF



MPEG Noise Reduction



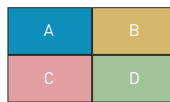
OFF



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.



4 multi screen



PinP



PbyP

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

SF2H/SF1H

LF80

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

* Except the CQ1 Series.

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.



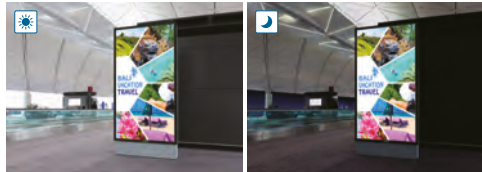
Efficiency and Reliability for Continuous 24-hour Operation

SF2H/SF1H LF80 SQ1 SF2 EQ1

*The TR-85075E01 only

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.



Fanless Design

SF2H/SF1H LF80 SQ1 SF2 EQ1 CQ1 EF1

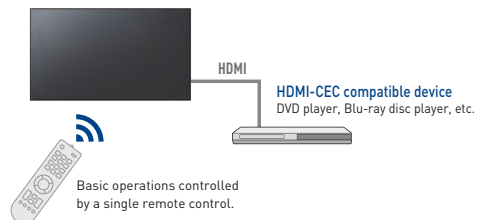
Standard models robust fanless design prevents problems caused by the intake of dusty air. The displays can be safely installed and operated in high-traffic environments.

HDMI CEC Device Linking Supported

SF2H SQ1 SF2 EQ1 CQ1

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.



**Advanced Professional****Standard****Entry**

Customizable Original Screen

SF2H

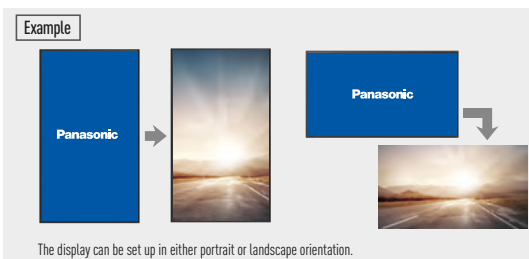
SQ1

SF2

EQ1

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

SQ1

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

SF2H/SF1H

LF80

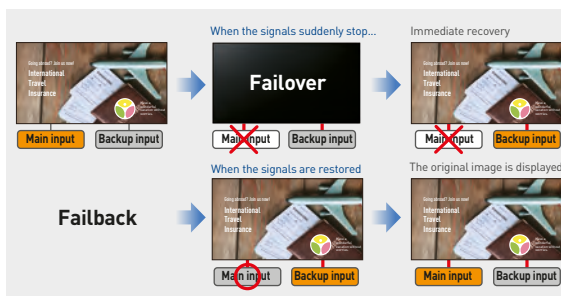
SQ1

SF2

EQ1

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.




Simple Signage Operation with No STB

SF2H/SF1H LF80 SQ1 SF2 EQ1 EF1

The display can automatically start showing pictures when a USB memory containing data is inserted. The display unit can be used as digital signage without a set-top box or PC. And the content can be displayed smoothly without including the black screen display. What's more, the order of content playback and playback time can be programmed. Content can also be rewritten and multiple displays can be operated via LAN.*

- 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.

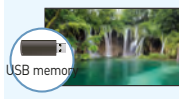


■ Applicable format

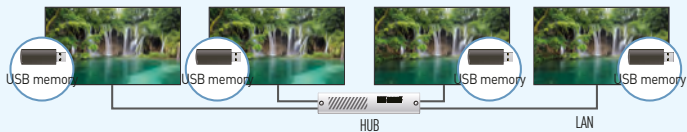
Still Image	JPG, JPEG, JPE, BMP*
Motion Image	AVI, MKV, ASF, WMV, TS, MTS, MP4, 3GP, MOV, FLV, F4V

* BMP is supported only by the EQ1, SF2 Series.
* The SQ1/EQ1 Series is compatible with the 4K signal.

Playback by one unit



Simultaneous playback by multiple units



One of up to four display units becomes the parent unit, and the other units display images in sync with the parent unit. This enables the display of images in perfect sync when the panels are arranged next to each other.

Play USB Content Instantly

SF2H SQ1 SF2 EQ1 CQ1

Playing Full HD video, still images, and digital documents from USB storage devices couldn't be easier. Just insert a thumb drive into the USB port and start presenting without needing to connect a PC. The Memory Viewer app enables image* (JPEG, BMP) and video* (WMV, AVI, MOV, MP4, MPG) selection from handy thumbnail previews.

- * In some cases, files may not be viewable even if they are encoded in a supported format.

■ Applicable format

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



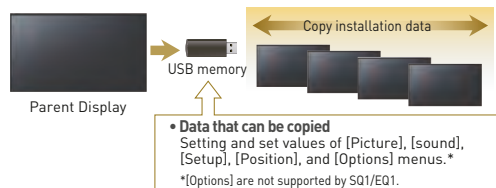
Cloning Function Speeds Up Multiple Display Setup

SF2H/SF1H LF80 SQ1 SF2 EQ1 EF1

When installing multiple displays, the Cloning function lets you use a USB memory (or LAN network) to copy the settings of a parent display to other units, thus greatly shortening the setup time.

- [Date & Time], [Network Settings], [LAN Settings] and Display ID cannot be copied.
- The Cloning function works only for displays with the same screen size.

* Only the SF2 Series can be copied using a LAN network.



**Advanced Professional****Standard****Entry**

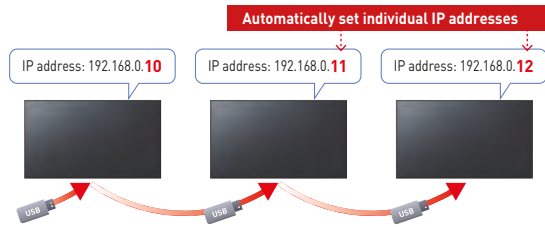
USB Memory Network Settings

SQ1

SF2

EQ1

Using a USB memory device, the network setting can be made for multiple displays. Individual IP addresses for each unit are automatically set.



Note: Setting images are simulated.

Make Your Signage Easy with Panasonic Application

SF2H/SF1H

SQ1

SF2

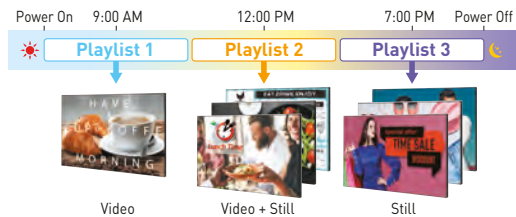
EQ1

The SQ1, SF2H/SF1H, SF2, and EQ1 Series features a USB Media Player function that allows easy signage playback. Content Management Software is an application software for scheduling digital signage playback on a computer. It also allows power ON/OFF to be set.

For more information about Content Management Software Version 3.3, please visit:
<https://panasonic.net/cns/prodisplays/download/software/>

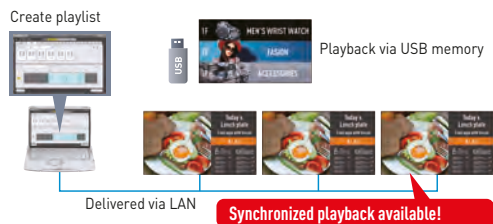
Play Content Automatically with Scheduling Function

Content Management Software for PC Version 3.3 (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.



Convenient Playlist and Schedule Syncing

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



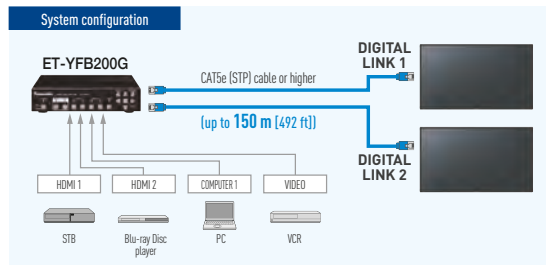
DIGITAL LINK Function Enables Simple Installation and Low System Costs

SF2H S01 LF80 SF2 ^{*2}

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

^{*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.

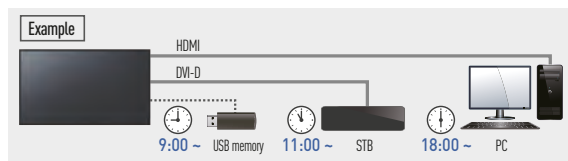
^{*2}: TH-55/49/43SF2W (for Asia, Middle East, Africa) only.



Timer-Programmable Switching of Device Connection

SF2H S01 SF2 EQ1

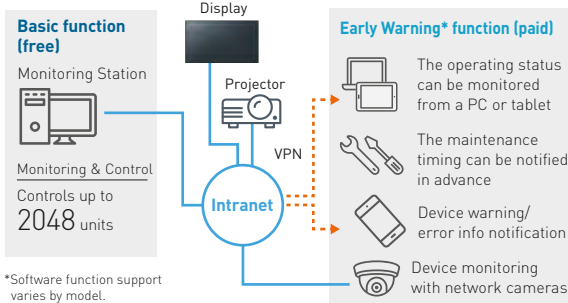
The timer function of the display unit can be used to change connected signal source devices at a desired time. This allows an easy change of displayed content according to the application or the progress of an event.



Multi Monitoring & Control Software

SF2H/SF1H LF80 S01 SF2 EQ1 EF1

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.

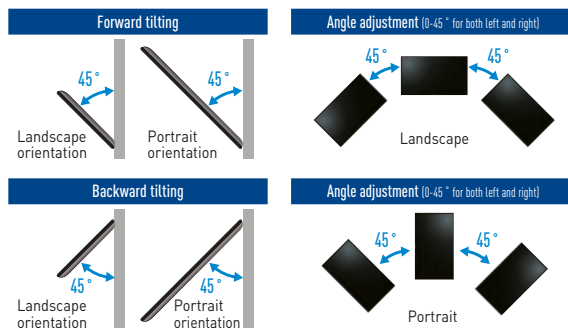


^{*}Software function support varies by model.

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/



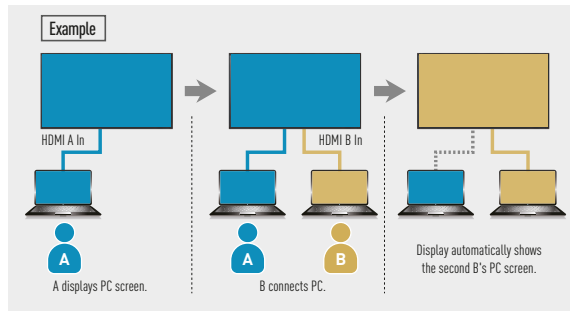
**Advanced Professional****Standard****Entry**

Smooth Switching of Presenters

SF2H**SQ1****SF2****EQ1**

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

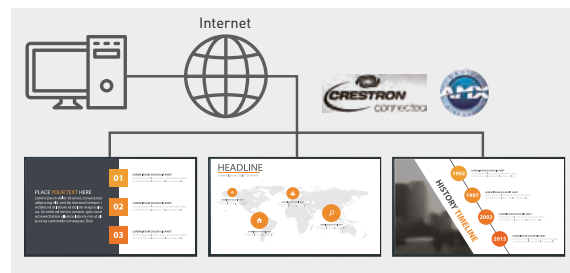
The display unit has built-in speakers so that it can playback content with sound without the connection of external speakers. This allows maximum use of a limited space for the installation of a large-screen display



Supports LAN Content Connection

SF2H/SF1H**LF80****SQ1****SF2****EQ1**

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.



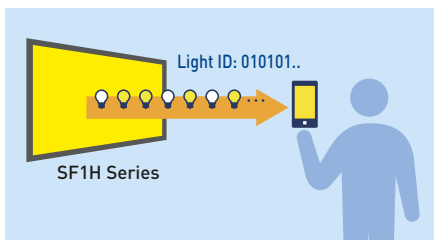
[SF2H/SF1H Series]



Built-in Light ID Transmission Function Sends and Receives Information

An originally developed, high-speed backlight control technology has achieved Light ID transmission from displays by modulating (blinking) light at high speed. The ID signals transmitted from the display are read by a smartphone* to relay a variety of information, such as traffic guidance or news about shops or products. The displayed content can also be provided in the smartphone owner's native language.

*The smartphone must satisfy usage conditions, such as the OS version and camera performance. A special application must also be installed.



Light ID Technology Features



Intuitive

Simply wave the smartphone toward a signboard or other signage.



High-Speed Data Receiving

Receives the signal within 0.3 seconds.



Receives Even in Crowds

Receives as long as the light reaches.

Applications for LinkRay

Panasonic provides a dedicated LinkRay Solution app for iOS/Android™. Users can download to supported smartphones and tablets free.

Standard Application (Free)

LinkRay Solution



Supported Operating Systems

iOS Devices

iOS 8.0 and later

Android Devices

Android 5.0 and later

Note: Some devices may not operate correctly even if minimum requirements are met. To get the latest information concerning devices tested for compatibility, please visit the Panasonic LinkRay website.

<https://panasonic.net/cns/LinkRay/>

Feature video



LinkRay [Introducing the Technology]



LinkRay [Use Cases]



LinkRay Solution@Live & Event Industrial Exhibition

Usage Case Examples & Benefits

Supporting Inbound Travelers in Any Language

LinkRay enables transportation hubs, such as airports, to improve service levels and reduce stress by delivering customized content in the language native to a visitor's device. This information could range from simple sign and map translation to providing directions with third party mapping apps to supplying information on available services within facilities. Navigating high-stress environments becomes easy for tourists, enhancing their experience.



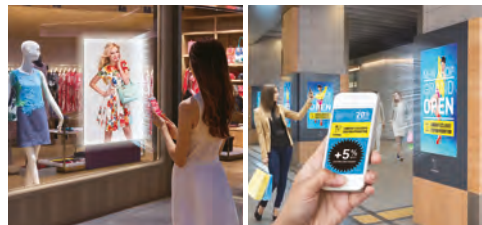
Information Delivery that Enhances Value

Interactive content that enhances exhibits at cultural facilities, such as museums, art galleries, and tourist centers, as well as material supporting retail items, can be provided instantly, deepening understanding or supplying more detailed marketing material on products. This helps to drive sales. LinkRay technology reduces the need for extraneous POS materials, reducing cost and clutter, so items or exhibits can be displayed to maximum effect.



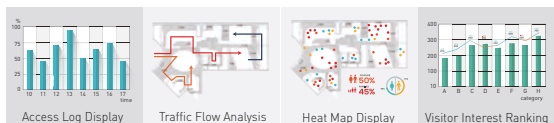
Increase Buyer Motivation with Augmented Signage

Presenting detailed product information together with promotional coupons or discount codes instantly within a built-for-purpose app helps to create a sales-positive environment. Tailoring information for individual customers can help increase foot traffic in shops and increase click-throughs to online stores.



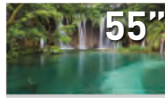
Market Effectively by Visualizing Consumer Intention

Tools for analyzing the frequency of access to Light ID transmitters yields invaluable information that can be applied in various practical ways, such as adjustment of point-of-sale displays and optimization of shopfloor layouts to achieve desired sales outcomes.



VF2H/VF1H VF2/LFV Series

Available from Summer 2020



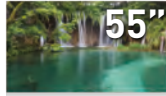
Model no.	TH-55VF2H	TH-55VF1H
DISPLAY PANEL		
Screen size (Diagonal)/Aspect Ratio	55-inch (1387 mm)/16:9	55-inch (1387 mm)/16:9
Panel Type	IPS/Direct LED	IPS/Direct LED
Effective Display Area (W x H)	1209.6 x 680.3 mm (47.6" x 26.7")	1209 x 680 mm (47.6" x 26.7")
Resolution (H x V)	1920 x 1080	1920 x 1080
Brightness (Typ.)	700 cd/m ²	700 cd/m ²
Contrast Ratio	1100:1	1200:1
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	Advanced Anti-Glare (Haze 28 %)	Anti-Glare (Haze 44 %)
TERMINAL		
HDMI In	HDMI Type A Connector x 1	
VIDEO In	—	BNC x 1 [Shared with Component In]
Audio In (L/R)	—	Pin Jack x 1 set [Shared with Component In]
Component/RGB In	—	BNC x 1 set [Shared with VIDEO In]
Audio In (L/R)	—	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 Out	—	—
DVI-D In	DVI-D 24-pin x 2 (Female)	
Audio In (L/R)	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)	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.]
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	
DIGITAL LINK In/DIGITAL LINK Out	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]	
IR In/Out	Stereo Mini Jack [M3] x 1 / x 1	
Audio 1 In	Stereo Mini Jack [M3] x 1	—
Audio 2 In	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
GENERAL		
Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
Power Consumption	300 W	300 W
Stand-by Condition	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"]
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"]
Bezel Width	T/B/L/R: 0.44 mm [0.018"]	T/R/L/B: 0.9 mm [0.036"]
Bezel to Bezel*1	0.88 mm [0.034"] [Multi Screen]	1.8 mm [0.07"] [Multi Screen]
Weight	Approx. 23.0 kg [50.7 lbs.]	Approx. 25.0 kg [55.1 lbs.]
Gross Weight	Approx. 34.0 kg [75.0 lbs.]	Approx. 34.0 kg [75.0 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 / 0 °C to 35 °C [32 °F to 95 °F]*4 / Humidity: 10% to 90% [Non-Condensation]
Storage Environment	Temperature: -20 °C to 60 °C [-4 °F to 140 °F] / Humidity: 10% to 90% [Non condensation]	
Operating Time*6	24 h/day	24 h/day
OPTIONS		
Cover Frame Kit	—	TY-CF55WV1
Installation Mount	TY-VK55LV2	TY-VK55LV2
Early Warning Software*7	ET-SWA100/105 Series	ET-SWA100 Series
Auto Display Adjustment Upgrade Kit*8	TY-VUK10	TY-VUK10
Multi Window Processor	—	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.

Available from Summer 2020



TH-55VF2	
	55-inch (1387 mm)/16:9
	IPS/Direct LED
	1209.6 x 680.3 mm (47.6" x 26.7")
	1920 x 1080
	500 cd/m ²
	1100:1
	500000:1
	8.0 ms (G to G)
	178° / 178° (CR>10)
	Advanced Anti-Glare [Haze 28 %]
	HDMI Type A Connector x 1
	—
	—
	—
	—
	DisplayPort x 1 (DP1.1a Dual Mode Only)
	—
	DVI-D 24-pin x 2 (Female)
	Stereo Mini Jack (M3) x 1 (Shared with PC In)
	—
	Mini D-Sub 15-pin x 1 (Female)
	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)
	—
	USB Connector (TYPE-A) x 1, DC 5 V/500 mA (USB2.0)*
	D-Sub 9-pin x1(Male)/x1(Female),RS-232C Compatible D-Sub 9-pin x1(Male)/x1,RS-232C Compatible
	RJ45 x1/x1,100 BASE-TX,Compatible with long reach mode and PLink™(Shared with LAN)
	RJ45 x 1/x 1,100 BASE-TX, Compatible with PLink™(Shared with DIGITAL LINK)
	Stereo Mini Jack (M3) x 1 / x 1
	Stereo Mini Jack (M3) x 1
	L/R Pin Jack x 1
	Stereo Mini Jack (M3) x 1, 0.5 V [rms] Variable [- ∞ ~ 0 dB] [1 kHz 0 dB Input, 10 kΩ Load]
	220-240 V AC, 50 Hz/60 Hz
	300 W
	Approx. 0.5 W
	1210.6 x 681.3 x 97.3 mm (47.66" x 26.82" x 3.83")
	1395 x 848 x 280 mm (55.0" x 33.4" x 11.1")
	T/B/L/R: 0.44 mm (0.018")
	0.88 mm (0.034") [Multi Screen]
	Approx. 23.0 kg (50.7 lbs.)
	Approx. 34.0 kg (75.0 lbs.)
	VESA compliant 400 x 400 mm (15.8" x 15.8")
	—
	Landscape/Portrait
	Vertical Only
	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:-20°C to 60°C(-4°F to 140°F)/Humidity:10% to 90%(Non condensation)
	24 h/day
	—
	TY-VK55LV2
	ET-SWA100/105 Series
	TY-VUK10
	—

*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/>)

LFV Series



Model no.		TH-55LFV9
DISPLAY PANEL	Screen size [Diagonal]/Aspect Ratio	55-inch [1387.8 mm]
	Panel Type	IPS/Direct LED
	Effective Display Area (W x H)	1209.6 x 680.4 mm [47.62" x 26.78"]
	Resolution (H x V)	1920 x 1080
	Brightness [Typ.]	500 cd/m ²
	Contrast Ratio	1200:1
	Dynamic Contrast Ratio	500000:1
	Response Time	8.0 ms [G to G]
	Viewing Angle (Horizontal/Vertical)	178° / 178° [CR>10]
	Panel Surface Treatment	Anti-Glare (Haze 28 %)
TERMINAL	HDMI In	HDMI Type A Connector x 2
	VIDEO In	BNC x 1 [Shared with Component In]
	Audio In (L/R)	Stereo Mini Jack x 1 [Shared with Component In]
	Component/RGB In	BNC x 1 set [Shared with VIDEO In]
	Audio In (L/R)	Stereo Mini Jack x 1 [Shared with Video In]
	DisplayPort In	DisplayPort x 1 [DP1.1a / DP1.2]
	DisplayPort Out	DisplayPort x 1
	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]
	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]
	DVI-I Out	DVI-I 29-pin x 1
	USB	USB Connector [TYPE-A] x 1, DC 5V/500mA [USB2.0]
	Serial In/Out	2.5 mm Phone Jack x 1 / x 1
GENERAL	DIGITAL LINK In/DIGITAL LINK Out	—
	LAN	RJ45 x 1, 10 BASE-T / 100 BASE-TX, Compatible with PLink™
	IR In/Out	2.5 mm Phone Jack 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]
	Power Requirements	220-240 V AC, 50 Hz/60 Hz
	Power Consumption	185 W
	Stand-by Condition	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"]
	Carton Size (W x H x D)	1395 x 848 x 280 mm [55.0" x 33.4" x 11.1"]
	Bezel Width	L/T: 2.25mm [0.089"], R/B: 1.25mm [0.049"]
	Bezel to Bezel*1	3.5 mm [0.14"] [Multi Screen]
	Weight	27.0 kg [59.5 lbs.]
	Gross Weight	37.0 kg [81.6 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]
OPTIONS	Orientation*2	Landscape/Portrait
	Tilting Angle*2	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]
	Storage Environment	Temperature: -20 °C to 60 °C [-4 °F to 140 °F] / Humidity: 10% to 90 % [Non condensation]
	Operating Time*6	24 h/day
	Cover Frame Kit	—
	Installation Mount	TY-VK55LV2
	Early Warning Software*7	ET-SWA100/105 Series
	Auto Display Adjustment Upgrade Kit*8	TU-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/

TH-55LFV9

Unit

Wall Size Width: 5 m Height: 3 m

Model Select Model TH-55LFV9

Orientation Landscape Portrait

Layout Fit to Room Columns (up to 10): 4 Rows (up to 10): 4

Calculate

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')
Screens Configuration	1 (W) x 1 (H)
Total Pixels	1,920 (H) x 1,080 (V)
Brightness	500 cd/m ²
Bezel Width	L/T: 2.26 mm (0.088") R/B: 1.25 mm (0.049")
Total Power Consumption	885 W
Total On Mode Average Power Consumption (**)	593 W
Total BTU	Max. 667 BTU
Total Weight of Displays	Approx. 27.0 kg / 59.5 lbs.

** Based on IEC 62368-2 measurement method.
 Note:
 - Note that a gap of 0.5 mm (0.02") or more is required when installing multiple displays.
 - Be aware an estimation to secure the ambient temperature for displays does not exceed 40°C.
 - For the estimated gap between the displays, leave a space of 10 mm (0.39") or more at the top, bottom, left and right.
 At the top, leave a space of 15 mm (0.59") or more.

3 simple steps

Input the wall space for mounting

Choose the models

Input the orientation (vertical/horizontal) and number of displays



Video Wall Workflow Panasonic TY-VK55LV1



Narrow Bezel for Seamless Video Walls

VF2H/VF2

VF1H

LFV9

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. 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.

Bezel-to-bezel distance



Improved Multi-Screen Video Visibility

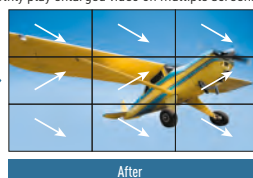
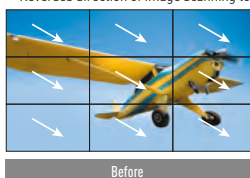
VF2H/VF2

VF1H

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

Reverses direction of image scanning to smoothly play enlarged video on multiple screens



Note: Images are simulated.

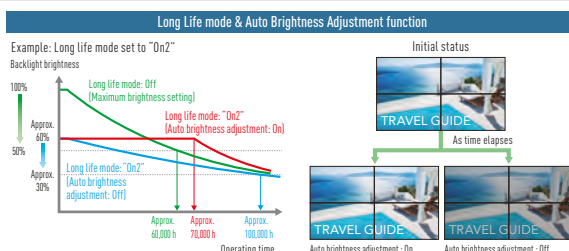
Delivers Stable Brightness for Up to 8 Years*

VF2H/VF2

VF1H

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

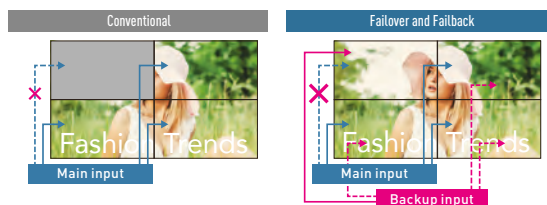
VF2H/VF2

VF1H

LFV9

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.

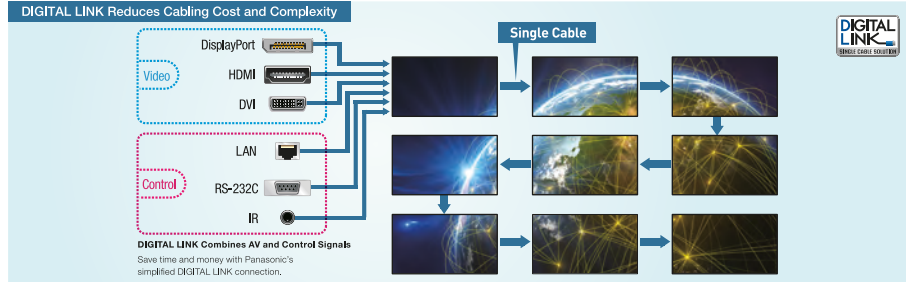
Note: Possible combinations of main/backup input signals are limited. For details, please visit the Panasonic website.

DIGITAL LINK Simplifies Installation at Lower Cost

VF2H/VF2

VF1H

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

VF2H/VF2

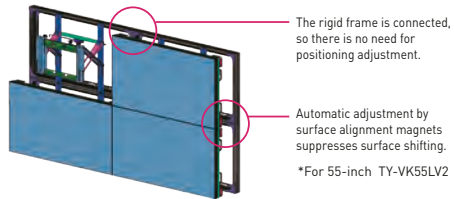
VF1H

LFV9

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

VF2H/VF2

VF1H

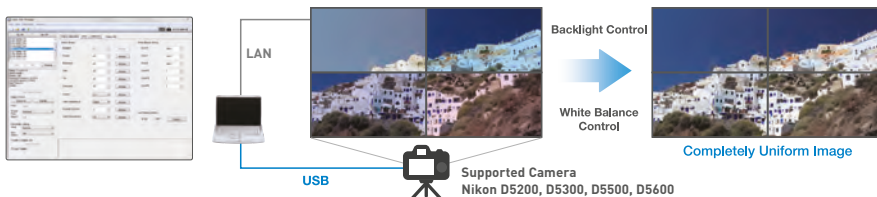
LFV9

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 ²	400 cd/m ²
	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]
TOUCH PANEL	Detection Method	Infrared Blocking Detection Method	
	Touch Operation	Up to 10-point multi-touch*2	
	OS	Windows [7/8.1/10], Mac [OS X 10.10/10.11, macOS Sierra]	
TERMINAL	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]	
	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	
GENERAL	DIGITAL LINK	—	
	LAN	—	
	Function Slot	—	
	Power Requirements	220-240 V AC, 50 Hz/60 Hz	220-240 V AC, 50 Hz/60 Hz
	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 400x 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"]
ENVIS	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.

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
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.



SQ1-IR Series

(Infrared Touch Technology)



Model no.		TH-98SQ1-IR	TH-86SQ1-IR
DISPLAY PANEL	Screen Size (Diagonal)/Aspect Ratio	98-inch [2576 mm]	86-inch [2174 mm]
	Panel Type	IPS / Direct-LED	IPS / Edge-LED
	Effective Display Area [W x H]	2158 x 1214 mm [84.9" x 47.8"]	1895 x 1065 mm [74.6" x 41.9"]
	Resolution [H x V]	3840 x 2160	
	Brightness [Typ]*	500 cd/m2	
	Contrast Ratio	1300:1	1200:1
	Response Time	8.0 ms [Typ] [G to G]	
	Viewing Angle [Horizontal/Vertical]	178°/178° [CR≥10]	
	Panel Surface Treatment	Anti-Glare [Haze 28%]	
TOUCH	Detection Method	Infrared Blocking Detection Method	
	Touch Operation	Up to 20-point multi-touch*1	
	OS	Windows [7/8.1/10] Mac [OS X10.10/10.11, macOS Sierra]	
TERMINAL	VIDEO In	-	
	Audio In [L/R]	-	
	HDMI In	HDMI Type A Connector x 2 [HDCP 2.2]	
	Component/RGB In	-	
	DisplayPort In	*DisplayPort x 1 [HDCP2.2 supported]	
	DisplayPort Out	*DisplayPort x 1 [HDCP1.4 supported]	
	DVI-D In/Audio In [L/R]	*DVI-D 24-pin x 1/Stereo Mini Jack [M3] x 2 [Shared with PC In]	
	PC In/Audio In [L/R]	*Mini D-sub 15-pin x 1 [Female]/Stereo Mini Jack [M3] x 2 [Shared with DVI-D In]	
	Audio In [L/R]	*Stereo Mini Jack [M3] x 1	
	USB	*USB Type A connector DC 5 V/2A x1, DC 5V/1A x1 [USB 3.0 supported.]	
	USB for PC Connection	*Direct Cable USB TYPE A Connector [male] x 1 [For Touch Panel] DC 5 V/500 mA	
	Serial In	D-sub 9pin x 1, RS-232C Compatible	
	DIGITAL LINK	RJ45 x 1, 100BASE-TX, Compatible with PLink™ Long Reach Mode	
GENERAL	LAN	RJ45 x 1, 10BASE-T / 100BASE-TX, Compatible with PLink™	
	Functional Slot	x1 [Intel® SDM specification SDM-S / SDM-L]	
	Power Requirements	110-127 / 220-240 V AC, 50/60 Hz	
	On-mode Average Power Consumption	600.5	254.4
	Power Off Condition	Approx. 0.3 W	
	Stand-by Condition	Approx. 0.5 W	
	Dimensions [W x H x D]	2244,4 x 1299,4 x 108,5mm	1954 x 1126,5 x 102,9 mm
	Carton Size [W x H x D]	2120 x 1460 x 700 mm	2370 x 1425 x 700 mm
	Weight	Approx. 160kg [352.7lbs]	Approx. 110kg [242.5lbs]
	Gross Weight	Approx. 205kg [451.9lbs]	Approx. 165kg [363.8lbs]
	Pitch for Wall-Hanging	VESA Compliant 800 x 500 mm [31.5" x 19.7"]	
	Protective Glass Thickness	5mm	
	Bezel Width	T-B: 41,15mm / L-R: 41,3mm	*T-L-R: 27,5 mm / B: 29 mm
OPTIONS	Built-in Speakers	20 W [10 W + 10 W]	
	Orientation	Landscape / Portrait	
	Tilting Angle	0-20 degrees forward / backward	
	Operating Environment	Temperature: 0°-40°C [for up to 1400m altitude] Humidity: 20%-80% [No condensation] Altitude: 0-2800m	
	Storage Environment	Temperature: -20°C to 60°C Humidity: 20% to 80% [No condensation]	
	Operating Time*3	24 h/day	
	Video Wall Manager compatible	Yes	
	SNMP Support	Ver. 3.0	
	Content Management Software	Ver. 3.0 or later. Windows only	
	Multi Monitoring & Control Software	Ver. 2.1 Windows only	
	Early Warning Software	ET-SWA100 Series	
	Whiteboard Software*4	Downloadable for free	

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

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

*3: 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.

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



	TH-75SQ1-IR	TH-65SQ1-IR	TH-55SQ1-IR
	75-inch (1893 mm)	65-inch (1638 mm)	55-inch (1387 mm)
	16497 x 928 mm (64.94" x 36.53")	1428 x 803 mm (56.2" x 31.6")	1209 x 680 mm (47.6 x 26.7")
		3840 x 2160	
		500 cd/m2	
		'1100:1	
		8.0 ms (Typ) (G to G)	
		178°/178° (CR>10)	
		Anti-Glare (Haze 28%)	
		Infrared Blocking Detection Method	
		Up to 20-point multi-touch*1	
		Windows [7/8.1/10] Mac [OS X10.10/10.11, macOS Sierra]	
		-	
		-	
		HDMI Type A Connector x 2 (HDCP 2.2)	
		-	
		*DisplayPort x 1 (HDCP2.2 supported)	
		*DisplayPort x 1 (HDCP1.4 supported)	
		*DVI-D 24-pin x 1/Stereo Mini Jack [M3] x 2 (Shared with PC In)	
		*Mini D-sub 15-pin x 1 (Female)/Stereo Mini Jack [M3] x 2 (Shared with DVI-D In)	
		*Stereo Mini Jack [M3] x 1	
		*USB Type A connector DC 5 V/2A x1, DC 5V/1A x1 (USB 3.0 supported.)	
		*Direct Cable USB TYPE A Connector (male) x 1 (For Touch Panel) DC 5 V/500 mA	
		D-sub 9pin x 1, RS-232C Compatible	
		RJ45 x 1, 100BASE-TX, Compatible with PLink™ Long Reach Mode	
		RJ45 x 1, 10BASE-T / 100BASE-TX, Compatible with PLink™	
		x1 (Intel® SDM specification SDM-S / SDM-L)	
		110-127 / 220-240 V AC, 50/60 Hz	
	TBD		
		Approx. 0.3 W	
		Approx. 0.5 W	
	TBD	1268,4 x 740,5 x 77,2 mm	999,2 x 589 x 76,4 mm
	TBD	1141 x 714 x 194 mm	1420 x 880 x 206 mm
	Approx. 77kg (169.7lbs)	Approx. 57kg (125.7lbs)	Approx. 42kg (92.6lbs)
	Approx. 90kg (198.4lbs)	Approx. 66kg (145.5lbs)	Approx. 51kg (112.4lbs)
		VESA Compliant 400 x 400 mm (15.8" x 15.8")	
	5mm		4mm
		T-L-R: 27,3 mm / B: 28,8 mm	T-L-R: 27,5 mm / B: 29 mm
		20 W [10 W + 10 W]	
		Landscape / Portrait	
	Landscape 0°-45° Portrait: 0°-20°	0-45 degrees forward / backward	
		Temperature: 0°-40°C (for up to 1400m altitude) Humidity: 20%-80% (No condensation) Altitude: 0-2800m	
		Temperature: -20°C to 60°C Humidity: 20% to 80% (No condensation)	
		24 h/day	
		Yes	
		Ver. 3.0	
		Ver. 3.0 or later. Windows only	
		Ver. 2.1 Windows only	
		ET-SWA100 Series	
		Downloadable for free	

EQ1-IR Series

(Infrared Touch Technology)



Model no.		TH-86EQ1-IR	TH-75EQ1-IR	TH-65EQ1-IR
DISPLAY PANEL	Screen Size /Aspect Ratio	86-inch (2175 mm)	75-inch (1893 mm)	65-inch (1639 mm)
	Panel Type	IPS Panel/ E-LED		VA panel / D-LED
	Effective Display Area (W x H)	1895 x 1065 mm (74.6" x 41.9")	1649 x 927 mm (64.9" x 36.5")	1428 x 803 mm (56.2" x 31.6")
	Resolution (H x V)	3840 x 2160		
	Brightness (Typ) ¹	350 cd/m ²		
	Contrast Ratio	1200:1	1200:1	4000:1(Typ)
	Dynamic Contrast Ratio	50000:1		
	Response Time	8.0 ms (Typ) [G to G]		
	Viewing Angle (Horizontal/Vertical)	178°/178° [CR≥10]		
	Panel Surface Treatment ²	Anti-Glare [Haze 28%]	Anti-Glare [Haze 28%]	Anti-Glare [Haze 2%]
TOUCH	Detection Method	Infrared Blocking Detection Method		
	Touch Operation	Up to 20-point multi-touch ¹		
TERMINAL	OS	Windows (7/8.1/10)Mac (OS X10.10/10.11, macOS Sierra)		
	VIDEO In	4-pole Mini Jack [M3] x 1		
	Audio In(L/R)	Stereo Mini Jack[M3] x 1		
	HDMI In	HDMI Type A Connector x 2 (HDCP 2.2)		
	Component/RGB In	-		
	Audio In (L/R)	Stereo Mini Jack [M3] x 1		
	DVI-D In	DVI-D 24-pin x 1, DVI Revision 1.0 Compatible [HDCP 1.1 supported]		
	Audio In (L/R)	Stereo Mini Jack [M3] x 1 [Shared with DVI-D IN and PC IN]		
	PC In	Mini D-Sub 15-pin x1 [Female] [Compatible with DDC 2B]		
	Audio In (L/R)	Stereo Mini Jack [M3] x 1 [Shared with DVI-D IN and PC IN]		
	PC Out	-		
	USB	USB Type A Connector x 1, DC 5 V/2 A (USB 3.0 supported.)		
	USB for PC Connection	Direct Cable USB TYPE A Connector [male] x 1 [For Touch Panel] DC 5 V/500 mA		
	Serial In	D-sub 9pin x 1, RS-232C Compatible		
GENERAL	DIGITAL LINK	-		
	LAN	"RJ45 x 1, 10BASE-T / 100BASE-TX, 1000BASE-T Compatible with PLink™		
	Function Slot	-		
	Power Requirements	110-127 V AC, 50/60 Hz, 220-240 V AC, 50/60 Hz		
	On-mode Average Power Consumption	231 W	195 W	163 W
	Power off Condition	Approx. 0.3 W		
	Stand-by Condition	Approx. 0.5 W		
	Dimensions [W x H x D]	1973 x 1144 x 105 mm	1732 x 1011 x 77 mm	1507 x 883 x 97 mm
	Carton Size	2224 x 1427 x 373 mm	2059 x 1369 x 361 mm	1655 x 1078 x 280 mm
	Weight	Approx. 116 kg (255.2 lbs.)	Approx. 85 kg (187.4 lbs.)	Approx. 55 kg (97.0 lbs.)
	Gross Weight	Approx. 139 kg (305.8 lbs.)	Approx. 122 kg (268.9 lbs.)	Approx. 66 kg (145.2 lbs.) TBD
	Pitch for Wall-Hanging	600 x 400 mm [23.6" x 15.8"] VESA Compliant"		
	Protective Glass Thickness	5mm		
	Built-in Speaker	20 W [10 W + 10 W]		
OPTIONS	Orientation	Landscape / Portrait		
	Tilting Angle	0-20 degrees forward with landscape*		
	Operating Environment	Temperature: 0°-40°C(for up to 1400m altitude)Humidity:20%-80%(No condensation)Altitude:0-2800m		
	Storage Environment	Temperature: -20°C to 60°C Humidity: 20% to 80% [No condensation]		
	Operating Time ³	24 h/day		
	Pedestal	TY-ST75PE9		TY-ST55PE9
	SNMP support	Ver. 3.0		
	Content Management Software	Ver. 3.0 or later. Windows only		
	Multi Monitoring & Control Software	Ver. 2.1 Windows only		
	Early Warning Software	ET-SWA100 Series		
	Whiteboard Software ⁴	Downloadable for free		

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

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

*3: 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.

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



TH-55EQ1-IR	TH-50EQ1-IR	TH-43EQ1-IR
55-inch (1388 mm)	50-inch (1258 mm)	43-inch (1080 mm)
1209 x 680 mm (47.6" x 26.7")	VA panel / D-LED 1095 x 616 mm (43.1" x 24.2") 3840 x 2160 350 cd/m2 4000:1(Typ) 50000:1 8.0 ms (Typ) (G to G) 178°/178° (CR≥10)	941 x 529 mm (37.0" x 20.8")
Anti-Glare (Haze 2%)	Anti-Glare (Haze 2%)	Anti-Glare (Haze 2%)
Infrared Blocking Detection Method Up to 20-point multi-touch ¹ Windows [7/8.1/10]Mac [OS X10.10/10.11, macOS Sierra]		
4-pole Mini Jack [M3] x 1 Stereo Mini Jack[M3] x 1 HDMI Type A Connector x 2 (HDCP 2.2) - Stereo Mini Jack [M3] x 1 DVI-D 24-pin x 1, DVI Revision 1.0 Compatible (HDCP 1.1 supported) Stereo Mini Jack [M3] x 1 (Shared with DVI-D IN and PC IN) Mini D-Sub 15-pin x1 (Female) [Compatible with DDC 2B] Stereo Mini Jack [M3] x 1 (Shared with DVI-D IN and PC IN) - USB Type A Connector x 1, DC 5 V/2 A (USB 3.0 supported.) Direct Cable USB TYPE A Connector (male) x 1 (For Touch Panel) DC 5 V/500 mA D-sub 9pin x 1, RS-232C Compatible - "RJ45 x 1, 10BASE-T / 100BASE-TX, 1000BASE-T Compatible with PLink™ -		
142.5 W	110-127 V AC, 50/60 Hz, 220-240 V AC, 50/60 Hz 125.5 W	113.5 W
	Approx. 0.3 W Approx. 0.5 W	
1293 x 763 x 77 mm 1365 x 864 x 185 mm Approx. 35.5 kg [78.3 lbs.] Approx. 44.0 kg [97.0 lbs.]	1172 x 693 x 85 mm 1238 x 795 x 185 mm Approx.26.5 kg [58.3 lbs.] Approx. 31 kg [70.4 lbs.]	1030 x 619 x 77 mm 1070x 696 x 159 mm Approx.14 kg [30.9 lbs.] Approx.23 kg [50.7 lbs.]
400 x 200 mm (15.8" x 7.9") VESA Compliant	400 x 400 mm(15.8" x 15.8")VESA Compliant	200 x 200 mm(7.9" x 7.9") VESA Compliant
4mm 20 W [10 W + 10 W] Landscape / Portrait 0-20 degrees forward with landscape* Temperature: 0°-40°C(for up to 1400m altitude)Humidity:20%-80%(No condensation)Altitude:0-2800m Temperature: -20°C to 60°C Humidity: 20% to 80% [No condensation] 18 h/day		
TY-ST43PE8 Ver. 3.0 Ver. 3.0 or later. Windows only Ver. 2.1 Windows only ET-SWA100 Series Downloadable for free		

SQ1-IG Series

(Interactive Multi-Touch Professional Displays With Inglass Technology)

NEW



NEW



	Model no.	TH-86SQ1-IG	TH-75SQ1-IG	
DISPLAY PANEL	Screen Size /Aspect Ratio	86-inch (2174 mm)	75-inch (1892 mm)	
	Panel Type	IPS / Edge-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"]	
	Resolution (H x V)	3840 x 2160		
	Brightness (Typ)*	500 cd/m2		
	Contrast Ratio	1200:1		
	Response Time	8.0 ms [Typ] (G to G)		
	Viewing Angle [Horizontal/Vertical]	178°/178° (CR>10)		
TOUCH	Panel Surface Treatment*	Anti-Glare		
	Detection Method	InGlass™ Touch Detection of human finger, passive and active stylus		
	Touch Operation	Real multi-touch up to 20 touches		
	Touch Method	Finger; Gloves; Stylus (≥ 2 mm)		
	Response Time [ms]	≤ 15		
TERMINAL	OS	Windows [7/8.1/10], Mac [OS X.10.10/10.11, macOS Sierra], Linux, Android		
	VIDEO In	-		
	Audio In(L/R)	-		
	HDMI In	HDMI Type A Connector x 2 (HDCP 2.2)		
	Component/RGB In	-		
	DisplayPort In	DisplayPort x 1 (HDCP2.2 supported)		
	DisplayPort Out	DisplayPort x 1 (HDCP1.4 supported)		
	DVI-D In/Audio In (L/R)	DVI-D 24-pin x 1/Stereo Mini Jack (M3) x 2 (Shared with PC In)		
	PC In/Audio In (L/R)	Mini D-sub 15-pin x 1 (Female)/Stereo Mini Jack (M3) x 2 (Shared with DVI-D In)		
	Audio In (L/R)	Stereo Mini Jack (M3) x 1		
	USB	USB Type A Connector x 1, DC 5 V/2 A (USB 3.0 supported.)		
	USB for PC Connection	Direct Cable USB TYPE A Connector (male) x 1 (For Touch Panel) DC 5 V/500 mA		
	Serial In	D-sub 9pin x 1, RS-232C Compatible		
	DIGITAL LINK	RJ45 x 1, 100BASE-TX, Compatible with PLink™ Long Reach Mode		
	LAN	RJ45 x 1, 10BASE-T / 100BASE-TX, Compatible with PLink™		
GENERAL	Function Slot	x1 (Intel® SDM specification SDM-S / SDM-L)		
	Power Requirements	110-127 / 220-240 V AC, 50/60 Hz		
	On-mode Average Power Consumption	254.5	385 TBD	
	Power off Condition	Approx. 0.3 W		
	Stand-by Condition	Approx. 0.5 W		
	Dimensions [W x H x D]	1967 x 1138 x 86 mm	1720 x 999 x 73 mm	
	Carton Size	2224 x 1427 x 373 mm	1832 x 1283 x 280 mm	
	Weight	Approx. 96kg	Approx. 79 kg	
	Gross Weight	Approx. 119kg	Approx. 94 kg	
	Pitch for Wall-Hanging	VESA Compliant 600 x 400 mm [23.6" x 15.8"]		
	Protective Glass Thickness	3mm		
	Bezel Width	T-L-R: 19.1mm		
	Built-in Speaker	20 W [10 W + 10 W]		
	Orientation	Landscape / Portrait		
	Tilting Angle	0-20 degrees forward / backward *1		
OPTIONS	Operating Environment	Temperature: 0° to 40°C (for up to 1400 m altitude) Humidity: 20% to 80% (No condensation) Altitude: 0 to 2800 m		
	Storage Environment	Temperature: -20°C to 60°C Humidity: 20% to 80% (No condensation)		
	Operating Time*3	24 h/day		
	Video Wall Manager compatible	Yes		
	SNMP Support	Ver. 3.0		
	Content Management Software	Ver. 3.0 or later.Windows only		
	Multi Monitoring & Control Software	Ver. 2.1 Windows only		
	Early Warning Software	ET-SWA100 Series		
	Whiteboard Software*4	Flatfrog Whiteboard Software Downloadable for free *3		

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

*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.

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

NEW

NEW


TH-65SQ1-IG	TH-55SQ1-IG
65-inch (1638 mm)	55-inch (1387 mm)
IPS / Edge-LED	
1428 x 803 mm (56.2" x 31.6")	1209 x 680 mm (47.6 x 26.7")
3840 x 2160	
500 cd/m2	
1100:1	
8.0 ms (Typ) (G to G)	
178°/178° (CR>10)	
Anti-Glare	
InGlass™ Touch Detection of human finger, passive and active stylus	
Real multi-touch up to 20 touches	
Finger; Gloves; Stylus (≥ 2 mm)	
≤ 15	
Windows (7/8.1/10), Mac (OS X10.10/10.11, macOS Sierra), Linux, Android	
-	
-	
HDMI Type A Connector x 2 (HDCP 2.2)	
-	
DisplayPort x 1 (HDCP2.2 supported)	
DisplayPort x 1 (HDCP1.4 supported)	
DVI-D 24-pin x 1/Stereo Mini Jack (M3) x 2 (Shared with PC In)	
Mini D-sub 15-pin x 1 (Female)/Stereo Mini Jack (M3) x 2 (Shared with DVI-D In)	
Stereo Mini Jack (M3) x 1	
USB Type A Connector x 1, DC 5 V/2 A (USB 3.0 supported.)	
Direct Cable USB TYPE A Connector (male) x 1 (For Touch Panel) DC 5 V/500 mA	
D-sub 9pin x 1, RS-232C Compatible	
RJ45 x 1, 100BASE-TX, Compatible with PLink™ Long Reach Mode	
RJ45 x 1, 10BASE-T / 100BASE-TX, Compatible with PLink™	
x1 (Intel® SDM specification SDM-S / SDM-L)	
321.5	301.5
110-127 / 220-240 V AC, 50/60 Hz	
Approx. 0.3 W	
Approx. 0.5 W	
1498 x 875 x 82 mm	1280 x 753 x 62 mm
1655 x 1078 x 280 mm	1365 x 864 x 185 mm
Approx. 53kg	Approx. 55kg
Approx. 64kg	Approx. 64kg
VESA Compliant 600 x 400 mm (23.6" x 15.8")	
3mm	
T-L-R: 19.1mm	
20 W (10 W + 10 W)	
Landscape / Portrait	
0-45 degrees forward / backward*1	
Temperature: 0° to 40°C (for up to 1400 m altitude)	
Humidity: 20% to 80% (No condensation) Altitude: 0 to 2800 m	
Temperature: -20°C to 60°C Humidity: 20% to 80% (No condensation)	
24 h/day	
Yes	
Ver. 3.0	
Ver. 3.0 or later.Windows only	
Ver. 2.1 Windows only	
ET-SWA100 Series	
Flatfrog Whiteboard Software Downloadable for free *3	

EQ1-IG Series

(Interactive Multi-Touch Professional Displays With Inglass Technology)



Model no.		TH-86EQ1-IG	TH-75EQ1-IG
DISPLAY PANEL	Screen Size / Aspect Ratio	86-inch (2174 mm)	75-inch (1893 mm)
	Panel Type	IPS / Edge-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"]
	Resolution (H x V)	3840 x 2160	
	Brightness (Typ)	350 cd/m ²	
	Contrast Ratio	1200:1	
	Response Time	8.0 ms [Typ] (IG to G)	
	Viewing Angle (Horizontal/Vertical)	178°/178° (CR≥10)	
	Panel Surface Treatment	Anti-Glare	
TOUCH	Detection Method	InGlass™ Touch Detection of human finger, passive and active stylus	
	Touch Operation	Real multi-touch up to 20 touches	
	Touch Method	Finger; Gloves; Stylus (≥ 2 mm)	
	Response Time [ms]	≤ 15	
TERMINAL	OS	Windows [7/8.1/10], Mac [OS X10.10/10.11, macOS Sierra], Linux, Android	
	VIDEO In	4-pole Mini Jack (M3) x 1	
	Audio In(L/R)	Stereo Mini Jack(M3) x 1	
	HDMI In	HDMI Type A Connector x 2 (HDCP 2.2)	
	Component/RGB In	-	
	Audio In (L/R)	Stereo Mini Jack (M3) x 1	
	DVI-D In	DVI-D 24-pin x 1, DVI Revision 1.0 Compatible (HDCP 1.1 supported)	
	Audio In (L/R)	Stereo Mini Jack (M3) x 1 [Shared with DVI-D IN and PC IN]	
	PC In	Mini D-Sub 15-pin x1 [Female] [Compatible with DDC 2B]	
	Audio In (L/R)	Stereo Mini Jack (M3) x 1	
	PC Out	-	
	USB	USB Type A Connector x 1, DC 5 V/2 A (USB 3.0 supported.)	
	USB for PC Connection	Direct Cable USB TYPE A Connector (male) x 1 [For Touch Panel] DC 5 V/500 mA	
	Serial In	D-sub 9pin x 1, RS-232C Compatible	
GENERAL	DIGITAL LINK	-	
	LAN	RJ45 x 1, 10BASE-T / 100BASE-TX, 1000BASE-T Compatible with PLink™	
	Function Slot	-	
	Power Requirements	220-240 V AC, 50 Hz/60 Hz	
	On-mode Average Power Consumption	231 W	195 W
	Power off Condition	Approx. 0.3 W	
	Stand-by Condition	Approx. 0.5 W	
	Dimensions [W x H x D]	1967 x 1138 x 86 mm	1720 x 999 x 73 mm
	Carton Size	2224 x 1427 x 373 mm	1832 x 1283 x 280 mm
	Weight	Approx. 96 kg	Approx. 79 kg
	Gross Weight	Approx. 119kg	Approx. 94 kg
	Pitch for Wall-Hanging	VESA Compliant 600 x 400 mm [23.6" x 15.8"]	VESA Compliant 600 x 400 mm [23.6" x 15.8"]
	Protective Glass Thickness	3mm	
	Bezel Width	T-L-R: 19.1mm	
	Built-in Speaker	20 W [10 W + 10 W]	
OPTIONS	Orientation	Landscape / Portrait	
	Tilting Angle	0-20 degrees forward with landscape*	
	Operating Environment	Temperature: 0° to 40°C (for up to 1400 m altitude). Humidity: 20% to 80% [No condensation]. Altitude: 0 to 2800 m [Depending on the temperature or humidity conditions, uneven brightness may be observed. This is not a malfunction. This unevenness will disappear while applying current continuously.]	
	Storage Environment	Temperature: -20°C to 60°C. Humidity: 20% to 80% [No condensation]	
	Operating Time*3	24 h/day	
	Pedestal	TY-ST75PE9	TY-ST75PE9
	SNMP support	Ver. 3.0	
	Content Management Software	Ver. 3.0 or later. Windows only	
	Multi Monitoring & Control Software	Ver. 2.1 Windows only	
	Early Warning Software	ET-SWA100 Series	
	Whiteboard Software*4	Downloadable for free	

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

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

Multi-Touch Screen



TH-65EQ1-IG	TH-55EQ1-IG
65-inch [1639 mm]	55-inch [1388 mm]
1428 x 803 mm [56.2" x 31.6"]	1209 x 680 mm [47.6 x 26.7"]
IPS / Edge-LED	
3840 x 2160	
350 cd/m ²	
4000:1	
8.0 ms (Typ) [G to G]	
178°/178° [CR>10]	
Anti-Glare	
InGlass™ Touch Detection of human finger, passive and active stylus	
Real multi-touch up to 20 touches	
Finger; Gloves; Stylus (≥ 2 mm)	
≤ 15	
Windows [7/8.1/10], Mac [OS X10.10/10.11, macOS Sierra], Linux, Android	
4-pole Mini Jack [M3] x 1	
Stereo Mini Jack[M3] x 1	
HDMI Type A Connector x 2 (HDCP 2.2)	
-	
Stereo Mini Jack [M3] x 1	
DVI-D 24-pin x 1, DVI Revision 1.0 Compatible (HDCP 1.1 supported)	
Stereo Mini Jack [M3] x 1 (Shared with DVI-D IN and PC IN)	
Mini D-Sub 15-pin x1 [Female] (Compatible with DDC 2B)	
Stereo Mini Jack [M3] x 1	
-	
USB Type A Connector x 1, DC 5 V/2 A (USB 3.0 supported.)	
Direct Cable USB TYPE A Connector (male) x 1 (For Touch Panel) DC 5 V/500 mA	
D-sub 9pin x 1, RS-232C Compatible	
-	
RJ45 x 1, 10BASE-T / 100BASE-TX, 1000BASE-T Compatible with PjLink™	
-	
163 W	141 W
Approx. 0.3 W	
Approx. 0.5 W	
1498 x 875 x 82 mm	1280 x 753 x 62 mm
1655 x 1078 x 280 mm	1365 x 864 x 185 mm
Approx. 44 kg	Approx. 30 kg
Approx. 55 kg	Approx. 37 kg
400 x 400 mm [15.8" x 15.8"] VESA Compliant	400 x 200 mm [15.8" x 7.9"] VESA Compliant
3mm	
T-L-R: 19.1mm	
20 W [10 W + 10 W]	
Landscape / Portrait	
0-20 degrees forward with landscape*	
Temperature: 0° to 40°C (for up to 1400 m altitude). Humidity: 20% to 80% (No condensation).	
Altitude: 0 to 2800 m (Depending on the temperature or humidity conditions, uneven brightness may be observed. This is not a malfunction.	
This unevenness will disappear while applying current continuously.)	
Temperature: -20°C to 60°C. Humidity: 20% to 80% (No condensation)	
18 h/day	
TY-ST55PE9	TY-ST55PE9
Ver. 3.0	
Ver. 3.0 or later. Windows only	
Ver. 2.1 Windows only	
ET-SWA100 Series	
Downloadable for free	

*3: 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.

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

Engaging Interactive Multi-Touch Displays for high efficient Team work and Digital signage

Slim and stylish design with high precision intuitive touch for collaboration & teamworks

- Wide range of sizes, from 43" to 98" to meet any space requirements.
- Multi-touch screen integrated HID infrared touch frame with 20 simultaneous touchpoints increases usability and participant involvement.
- Flexible installation (landscape, portrait or back-tilt 20°)
- 4k ultra HD resolution delivering the highest detail and image quality.



Built for practicality

- Created with safety and ease of use in mind, the touch screens are perfect for use in schools and other education spaces.
- The screens are built with protection tempered anti-glare glass with only 4mm thickness for small size displays and 5mm for larger sizes (75" and 86").
- The larger size (75" 86" 98") come with a handy carrying handle to ensure efficient and safe mobility.

Cost-effective collaboration

- As with all the Panasonic interactive range, the SQ1/EQ1-IR and SQ1/EQ1-IG displays can be used with the Panasonic Whiteboard Software for Windows or Mac, including a whiteboard mode, PowerPointR presentation mode – as well as Video and Screen Capture functions.
- These multi-touch displays includes a wide range of flexible functions and extended connectivity from the main SQ1/EQ1 series.



SQ1-IR Series

4K Multi-Touch premium displays for collaborative suites and engaging retail stores

Ideal for:

- Retail environments
- Transport hubs (Train stations, Bus stations, Airports...)
- Museums
- Exhibitions
- Higher Education
- Control rooms
- Broadcast studios

Key Features:

- Slim and stylish design multi-touch screens 55" and 98" 500 cd/m², 24/7 operation
- Narrow bezel with high precision simultaneous 20 touch-point technology for novelty design and out- standing performance
- 4K resolution, fast response and precise touch for the highest detail and quality of images, drawings or data. Non-4K sources are also beautifully compensated
- Bright and efficient high-visibility 4K IPS panel with anti-glare surface (Haze level 28%)
- Built-in USB Media Player playing 4K content eliminates the need for external devices and allows updates to USB memory devices via LAN
- System expandability supporting new slot for ultra-slim Intel® SDM (Intel® Smart Display Module) specification featuring high-speed PCIe connection simplifying interface integration, signage system installation, and platform management
- Flexible and light installation either in Portrait, landscape and tilt (landscape forward 20 degree) orientation

Basic Specifications



EQ1-IR Series

4K entry professional multi-touch display with Infrared touch technology for high user engagement

Ideal for:

- Classrooms and seminar rooms,
- Huddle rooms,
- Offices,
- Lecture theatres,
- Presentation rooms,
- Control rooms,
- Public digital signage.

Key Features:

- Slim and stylish design with wide range of sizes, from 43" to 86" to meet any space
- Narrow bezel with high precision 20 simultaneous touch point multi-touch screen integrated Infra-Red touch frame ensures ease of use and quicker operation with Infrared technology to engage team members
- 4K resolution for the highest detail and quality of images, drawings and data. Non-4K sources are also beautifully compensated
- Built-in USB Media Player playing 4K content eliminates the need for external devices and allows updates to USB memory devices via LAN
- Flexible installation (landscape, portrait or back-tilt 20°)
- Extensive connectivity

Basic Specifications



SQ1-IG Series

Free to collaborate - Seamless integration in any modern cooperative environment

Ideal for:

- Meeting Rooms
- Huddle Rooms
- Showrooms
- Museums
- Exhibitions
- Higher Education
- Control rooms
- Broadcast studios

Key Features:

- Featuring InGlass™ reliable and stable touch technology. Gives best touch accuracy with 4K resolution.
- 20/40 simultaneous touches and drags for superior touch performance and highest efficient collaboration among multi users
- Best writing experience : anti-glare surface and paper-like touching and drawing feeling
- Differentiates pen, finger and fist. Palm rejection feature
- Sleek design with flat glass surface and narrow border
- Benefits from all the premium features of the SQ1 display range, 4K resolution, 500 cd/m², 24/7 operation, in large formats 86", 75", 65", 55".
- High expandability with ultra-slim Intel® SDM (Intel® Smart Display Module) slot, DisplayPort connection for daisy-chain signage, multiple screen function (quad, PinP, PbyP) and 4K DIGITAL LINK to create integrated smart collaboration and signage solutions

Basic Specifications



EQ1-IG Series

Best touch features for corporate: annotations, accuracy, immediacy, flat design

Ideal for:

- Meeting Rooms
- Huddle Rooms
- Classrooms and Higher Education
- Control rooms

Key Features:

- Featuring InGlass™ reliable and stable touch technology. Gives best touch accuracy with 4K resolution.
- 20/40 simultaneous touches and drags for superior touch performance and highest efficient collaboration among multi users
- Best writing experience : anti-glare surface and paper-like touching and drawing feeling
- Differentiates pen, finger and fist. Palm rejection feature
- Sleek design with flat glass surface and narrow border
- Based on the EQ1 display range, 4K resolution, 350 cd/m², 16/7 or 24/7 operation, in large formats 86", 75", 65", 55".
- Built-in USB Media Player playing 4K content eliminates the need for external devices and allows updates to USB memory devices via LAN

Basic Specifications



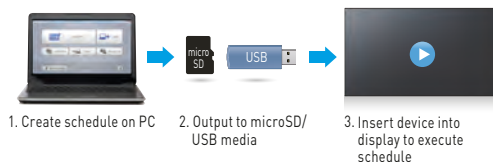
Panasonic Software Line-up

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: 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.



All interactive 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://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.



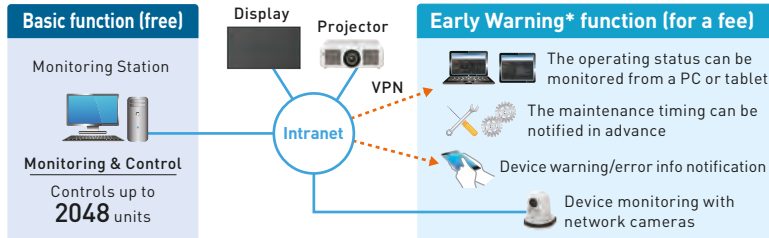
- Dedicated wireless apps for iOS and Android™
- Fewer steps to connect
- Wide media compatibility and functionality

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

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/WW-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

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>

SDM Accessories

Supports the Next-Generation Intel® SDM Specification Slot Standard

SQ1

The SQ1 Series is equipped with the new Intel® SDM specification slot standard that supports 4K signals. With this expansion slot, it is possible to tailor the display and its connectivity to the application. You can easily integrate a built-in PC and add various interfaces.



Wolfvision Cynap Pure -integrated Wireless Presentation System

No Cable. No Dongle. No Set-Top Box. Just Present.

Panasonic fully integrates WolfVision's Cynap Pure powerful BYOD wireless presentation solution into its SQ1 displays using the Intel® Smart Display Module slot. The unified collaboration system is the perfect, integrated solution for meeting rooms, classrooms and huddle spaces with a discrete design, no cabling and no need for additional applications, software and driver downloads or dongles and set-top boxes. Installation inside the screen is straightforward, and units can be managed and updated remotely using browser-based administration tools.



(not final design)
TY-SBPURE



Key Features

- Screen Mirroring using Miracast technology. Supports iOS, iPadOS, Android, Windows, Chrome OS, macOS
- 4K output resolution
- Up to 4 window on-screen display
- Touch back support, enables remote control of laptops while working at a shared multi-touch screen.
- Also compatible with the Panasonic interactive touchscreen SQ1-IR and SQ1-IG versions of the display range for easy control by touch and for on-screen annotations

Panasonic Wireless Presentation System

Efficient Meeting Room Collaboration

The System allows up to easily switch between up to four presenters to display visual and audio content on their Panasonic displays or projectors - removing the need for cables. Users simply connect the transmitter button into their PCs USB and HDMI ports and press the button to share content on the display. No set-up, software or driver installation is required. Two types of receivers are possible: The SDM receiver is designed to perfectly fit inside the Intel® SDM expansion slot of the Panasonic SQ1 displays. For Panasonic displays and projectors without an SDM slot for the receiver, a set-top box version of the system can be connected to the device by cable.



Receiver
(not final design)
TY-SB01WP



Transmitter

Key Features

- Two versions: basic with the set-top-box or cable-less with the SDM-S board receiver.
- Plug and Play: no dedicated software installation is necessary for the PC
- Audio and FHD Video over Wireless transmission, IEEE802.11ac compliant



3G SDI - SDM Board

Perfect for Broadcasting Environment

Just by plugging the SDI terminal board into its Intel® SDM slot you can directly connect the SQ1 series displays to a Pro AV source, saving the need for optional equipment like converters that normally bring latency into the production chain. You can transmit uncompressed, unencrypted digital video signals over up to 100m with a single BNC cable, in environments where cabling could be unplugged or tripped over.

This SDM-SDI Terminal Board makes the SQ range of displays perfect for a broadcast environment, with its great colour reproduction and high contrast with HDR and BT.2020 emulation.



Key Features

- Compatible with 3G-SDI, HD-SDI, SD-SDI audio and video formats
- To be plugged inside professional displays with Intel SDM slot
- Maximum Transmission distance 100m with BNC cable



SDM-L
Kingston Creek U

Optional Accessories

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

The specification has a case to change without notice.

*1: The availability varies depending on the country.

*2: SF2W model only.

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



Optional Accessories Compatibility Chart

			Standard								
	TH-49LF80	TH-42LF80	TH-98SQ1	TH-86SQ1	TH-75SQ1	TH-65SQ1	TH-55SQ1	TH-49SQ1	TH-55SF2	TH-49SF2	TH-43SF2
	49	42	98	86	75	65	55	49	55	49	43
	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	Yes	Yes	Yes	-	Yes	-	-
	-	-	-	-	-	-	-	Yes	-	Yes	Yes
	Yes	Yes	-	-	-	-	-	-	-	-	-
	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	Yes	-	-	-	-	-	-	-	-
	-	-	-	Yes	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Yes	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	-	-	-	-	-	-	-	-	-	-
	-	Yes	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes*2	Yes*2	Yes*2
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes*2	Yes*2	Yes*2
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Optional Accessories

Optional Accessories		Entry								
		TH-86EQ1	TH-75EQ1	TH-65EQ1	TH-55EQ1	TH-50EQ1	TH-43EQ1	TH-86CQ1	TH-75CQ1	
Screen Size (inch)		86	75	65	55	50	43	86	75	
FUNCTION BOARD										
3G-SDI Terminal Board	TY-SB01SS	-	-	-	-	-	-	-	-	
MOUNTING OPTIONS										
Pedestal	TY-ST75PE9	-	Yes	-	-	-	-	-	-	
	TY-ST55PE9	-	-	Yes	-	-	-	-	-	
	TY-ST43PE9	-	-	-	-	-	-	-	-	
	TY-ST43PE8	-	-	-	Yes	Yes	Yes	-	-	
	TY-ST32PE1	-	-	-	-	-	-	-	-	
Wall-hanging Bracket	TY-WK98PV1	Yes	Yes	Yes	-	-	-	-	-	
Installation Mount	TY-VK55LV2	-	-	-	-	-	-	-	-	
(Landscape setting only)	TY-VK49LV2	-	-	-	-	-	-	-	-	
Pitch for Wall Hanging (VESA compliant models)	800 x 500 [M8]	-	-	-	-	-	-	-	-	
	600 x 500 [M8]	-	-	-	-	-	-	-	-	
	600 x 400 [M8]	Yes	-	-	-	-	-	Yes	-	
	600 x 400 [M6]	-	Yes	-	-	-	-	-	-	
	400 x 400 [M8]	-	-	-	-	-	-	-	Yes	
	400 x 400 [M6]	-	-	Yes	-	Yes	-	-	-	
	400 x 200 [M6]	-	-	-	Yes	-	-	-	-	
	200 x 200 [M6]	-	-	-	-	-	Yes	-	-	
	100 x 100 [M4]	-	-	-	-	-	-	-	-	
Others										
DIGITAL LINK Switcher	ET-YFB200G	-	-	-	-	-	-	-	-	
Digital Interface Box	ET-YFB100G	-	-	-	-	-	-	-	-	
Multi Window Processor	ET-MWP100*1	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.

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[illegible]

Optional Accessories

			Multi-Touch Screen														
			TH-98SQ1-IR	TH-86SQ1-IR	TH-75SQ1-IR	TH-65SQ1-IR	TH-55SQ1-IR	TH-86EQ1-IR	TH-75EQ1-IR	TH-65EQ1-IR	TH-55EQ1-IR	TH-43EQ1-IR	TH-98SQ1-IG	TH-86SQ1-IG	TH-75SQ1-IG		
Screen Size (inch)			98	86	75	65	55	86	75	65	55	43	98	86	75		
MOUNTING OPTIONS	Pedestal	TY-ST75PE9	-	-	-	-	-	-	Yes	-	-	-	-	-	-		
		TY-ST65P20	-	-	-	-	-	-	-	-	-	-	-	-	-		
		TY-ST55PE9	-	-	Yes	Yes	Yes	-	-	Yes	-	-	-	-	Yes		
		TY-ST43PE9	-	-	-	-	-	-	-	-	-	-	-	-	-		
		TY-ST43PE8	-	-	-	-	-	-	-	-	Yes	Yes	-	-	-		
		TY-ST32PE1	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Installation Mount (Landscape setting only)	TY-VK55LV2	-	-	-	-	-	-	-	-	-	-	-	-	-		
		TY-VK49LV2	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Cover Frame Kit for 55"	TY-CF55VW1	-	-	-	-	-	-	-	-	-	-	-	-	-		
		TY-CF55VW50	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Pitch for Wall Hanging (VESA compliant models)	800 x 500 (M8)	Yes	-	-	-	-	-	-	-	-	-	Yes	-	-		
		600 x 500 (M8)	-	-	-	-	-	-	-	-	-	-	-	-	-		
		600 x 400 (M8)	-	Yes	-	-	-	Yes	-	-	-	-	-	Yes	-		
		600 x 400 (M6)	-	-	-	-	-	-	Yes	-	-	-	-	-	-		
		400 x 400 (M8)	-	-	-	-	-	-	-	-	-	-	-	-	-		
		400 x 400 (M6)	-	-	Yes	Yes	Yes	-	-	Yes	-	-	-	-	Yes		
		400 x 200 (M6)	-	-	-	-	-	-	-	-	Yes	-	-	-	-		
		200 x 200 (M6)	-	-	-	-	-	-	-	-	-	Yes	-	-	-		
		100 x 100 (M4)	-	-	-	-	-	-	-	-	-	-	-	-	-		
OTHERS	DIGITAL LINK Switcher	ET-YFB200G	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	Yes	Yes		
	Digital Interface Box	ET-YFB100G	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	Yes	Yes		
	Multi Window Processor	ET-MWP100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		

The specifications can change without notice.



Optional Accessories Compatibility Chart

	TH-65SQ1-IG	TH-55SQ1-IG	TH-86EQ1-IG	TH-75EQ1-IG	TH-65EQ1-IG	TH-55EQ1-IG
	65	55	86	75	65	55
	-	-	-	Yes	-	-
	-	-	-	-	-	-
	Yes	Yes	-	-	Yes	-
	-	-	-	-	-	-
	-	-	-	-	-	Yes
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	Yes	-	-	-
	-	-	-	Yes	-	-
	-	-	-	-	-	-
	Yes	Yes	-	-	Yes	-
	-	-	-	-	-	Yes
	-	-	-	-	-	-
	-	-	-	-	-	-
	Yes	Yes	-	-	-	-
	Yes	Yes	-	-	-	-
	Yes	Yes	Yes	Yes	Yes	Yes

Features

		Advanced Professional						
		TH-55SF1H	TH-49SF1H	TH-42SF1H	TH-80SF2H	TH-70SF2H	TH-55LF80	TH-49LF80
Size (inch)		55	49	42	80	70	55	49
INSTALLATION SPECIFICATIONS	LinkRay Compatible	Yes	Yes	Yes	Yes	Yes	-	-
	Touch Operation	-	-	-	-	-	-	-
	IP Rating	-	-	-	-	-	-	-
	Operating Time	24	24	24	24	24	24	24
	DIGITAL LINK	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1
	Wireless Function	-	-	-	-	-	-	-
	Protective Glass	-	-	-	-	-	-	-
	Function Slot	-	-	-	-	-	-	-
	Portrait	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Multi Screen [Multi Display Setting]*2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FUNCTIONS	Daisy Chain Connection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Pre Calibration	-	-	-	-	-	-	-
	Fan-less Design	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Built-in Whiteboard	-	-	-	-	-	-	-
	USB Media Player	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Memory Viewer	-	-	-	Yes	Yes	-	-
	Data Cloning	USB		USB/LAN		USB		
	HDMI CEC	-	-	-	Yes	Yes	-	-
	Customized Image Setting	-	-	-	Yes	Yes	-	-
	USB Memory Network Setting	-	-	-	Yes	Yes	-	-
SOFTWARE	Multi Input Display*3	-	-	-	-	-	-	-
	Input Search (No Signal Auto Switch Setting/Input Signal Search)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Failover/Failback	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	1:1Pixel Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Color Management	6-axis		6-axis		6-axis		
	Color Enhancement	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Adaptive Contrast Correction	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Refine Enhancer	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Gradation Smoother	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Frame Creation	-	-	-	-	-	-	-
SOFTWARE	Dynamic Backlight	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Set up Timer	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Off Timer Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Power on Screen Delay	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Auto Setup	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	No Activity Power Off	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	PJ Link Protocol	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	LAN Control (Network Control)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Web Browser Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Remote ID Control (Function)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOFTWARE	Serial ID Control (Function)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Local Dimming	-	-	-	-	-	-	-
	ECO Mode/Power Management Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Audio Input Select (Switching)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Multi Monitoring & Control Software Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Early Warning Software Compatible*4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Video Wall Manager	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Auto Display Adjustment Upgrade Kit (TY-VUK10)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Content Management Software	-	-	-	Yes	Yes	-	-
	Super High Quality Up-Scaling	-	-	-	-	-	-	-

*1: Long Reach Mode compatible. TH-65SF2E (for Europe/CIS) and TH-65/55/49/43SF2W (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: The part number suffix may differ depending on the license type.

Features Comparison

	Standard									
	TH-42LF80	TH-98SQ1	TH-86SQ1	TH-75SQ1	TH-65SQ1	TH-55SQ1	TH-49SQ1	TH-55SF2	TH-49SF2	TH-43SF2
	42	98	86	75	65	55	49	55	49	43
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	24	24	24	24	24	24	24	24	24	24
	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1	Yes*1
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	Intel® SDM						-	-	-
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	-	-	-	-	-	-	-	-	-
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	-	-	-	-	-	-	-	-	-
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	USB	USB/LAN				USB/LAN				
	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	-	-	-	-	-	-	Yes	Yes	Yes
	6-axis	12-axis						6-axis		
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-
	Yes	Yes	Yes	-	-	-	-	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-

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

Features

		Entry						
		TH-86EQ1	TH-75EQ1	TH-65EQ1	TH-55EQ1	TH-50EQ1	TH-43EQ1	TH-86CQ1
Size (inch)		86	75	65	55	50	43	86
INSTALLATION SPECIFICATIONS	LinkRay Compatible	-	-	-	-	-	-	-
	Touch Operation	-	-	-	-	-	-	-
	IP Rating	-	-	-	-	-	-	-
	Operating Time	24	24	18	18	18	18	16
	DIGITAL LINK	-	-	-	-	-	-	-
	Wireless Function	-	-	-	-	-	-	-
	Protective Glass	-	-	-	-	-	-	-
INSTALLATION SPECIFICATIONS	Function Slot	-	-	-	-	-	-	-
	Portrait	Yes	Yes	Yes	Yes	Yes	Yes	-
	Multi Screen (Multi Display Setting)*2	Yes	Yes	Yes	Yes	Yes	Yes	-
	Daisy Chain Connection	Yes (IR only)						
	Pre Calibration	-	-	-	-	-	-	-
	Fan-less Design	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Built-in Whiteboard	-	-	-	-	-	-	-
FUNCTIONS	USB Media Player	Yes	Yes	Yes	Yes	Yes	Yes	-
	Memory Viewer	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data Cloning	USB/LAN						
	HDMI CEC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Customized Image Setting	Yes	Yes	Yes	Yes	Yes	Yes	-
	USB Memory Network Setting	Yes	Yes	Yes	Yes	Yes	Yes	-
	Multi Input Display	-	-	-	-	-	-	-
FUNCTIONS	Input Search (No Signal Auto Switch Setting/Input Signal Search)	Yes	Yes	Yes	Yes	Yes	Yes	-
	Failover/Failback	Yes	Yes	Yes	Yes	Yes	Yes	-
	1:1 Pixel Mode	-	-	-	-	-	-	-
	Color Management	6-axis						
	Color Enhancement	Yes	Yes	Yes	Yes	Yes	Yes	-
	Adaptive Contrast Correction	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Refine Enhancer	Yes	Yes	Yes	Yes	Yes	Yes	-
FUNCTIONS	Gradation Smoother	Yes	Yes	Yes	Yes	Yes	Yes	-
	Frame Creation	Yes	Yes	-	-	-	-	-
	Dynamic Backlight	-	-	-	-	-	-	Yes
	Set up Timer	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Off Timer Setting	Yes	Yes	Yes	Yes	Yes	Yes	-
	Power on Screen Delay	Yes	Yes	Yes	Yes	Yes	Yes	-
	Auto Setup	Yes	Yes	Yes	Yes	Yes	Yes	-
FUNCTIONS	No Activity Power Off	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	PJ Link Protocol	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	LAN Control (Network Control)	Yes	Yes	Yes	Yes	Yes	Yes	-
	Web Browser Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Remote ID Control (Function)	Yes	Yes	Yes	Yes	Yes	Yes	-
	Serial ID Control (Function)	Yes	Yes	Yes	Yes	Yes	Yes	-
	Local Dimming	Yes	Yes	Yes	Yes	Yes	Yes	-
SOFTWARE	ECO Mode/Power Management Mode	Yes	Yes	-	-	-	-	-
	Audio Input Select (Switching)	Yes	Yes	Yes	Yes	Yes	Yes	-
	Multi Monitoring & Control Software Compatible	Yes	Yes	Yes	Yes	Yes	Yes	-
	Early Warning Software Compatible*6	Yes	Yes	Yes	Yes	Yes	Yes	-
	Video Wall Manager	Yes	Yes	Yes	Yes	Yes	Yes	-
	Auto Display Adjustment Upgrade Kit (TY-VUK10)	Yes	Yes	Yes	Yes	Yes	Yes	-
	Content Management Software	-	-	-	-	-	-	-
SOFTWARE	Super High Quality Up-Scaling	Yes	Yes	Yes	Yes	Yes	Yes	-

*1: Long Reach Mode compatible. TH-65SF2E (for Europe/CIS) and TH-65/55/49/43SF2W (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: The part number suffix may differ depending on the license type.

★The availability varies depending on the country. Please contact your sales representative for more information.

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

Features

		Multi-Touch Screen						
		TH-75BQE1	TH-65BFE1	TH-98SQ1-IR	TH-86SQ1-IR	TH-75SQ1-IR	TH-65SQ1-IR	TH-55SQ1-IR
Size (inch)		75	65	98	86	75	65	55
INSTALLATION SPECIFICATIONS	LinkRay Compatible	-	-	-	-	-	-	-
	Touch Operation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	IP Rating	-	-	-	-	-	-	-
	Operating Time	16	16	24	24	24	24	24
	DIGITAL LINK	-	-	Yes	Yes	Yes	Yes	Yes
	Wireless Function	-	-	-	-	-	-	-
	Protective Glass	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Function Slot	-	-	Intel SDM				
	Portrait	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Multi Screen [Multi Display Setting]*2	-	-	Yes	Yes	Yes	Yes	Yes
FUNCTIONS	Daisy Chain Connection	-	-	Yes	Yes	Yes	Yes	Yes
	Pre Calibration	-	-	-	-	-	-	-
	Fan-less Design	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Built-in Whiteboard	-	-	-	-	-	-	-
	USB Media Player	-	-	Yes	Yes	Yes	Yes	Yes
	Memory Viewer	-	-	Yes	Yes	Yes	Yes	Yes
	Data Cloning	-	-	USB/LAN				
	HDMI CEC	-	-	Yes	Yes	Yes	Yes	Yes
	Customized Image Setting	-	-	Yes	Yes	Yes	Yes	Yes
	USB Memory Network Setting	-	-	Yes	Yes	Yes	Yes	Yes
SOFTWARE	Multi Input Display	-	-	Yes	Yes	Yes	Yes	Yes
	Input Search [No Signal Auto Switch Setting/Input Signal Search]	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Failover/Failback	-	-	Yes	Yes	Yes	Yes	Yes
	1:1Pixel Mode	-	-	-	-	-	-	-
	Color Management	-	-	12-axis				
	Color Enhancement	-	-	Yes	Yes	Yes	Yes	Yes
	Adaptive Contrast Correction	-	-	Yes	Yes	Yes	Yes	Yes
	Refine Enhancer	-	-	Yes	Yes	Yes	Yes	Yes
	Gradation Smoother	-	-	Yes	Yes	Yes	Yes	Yes
	Frame Creation	-	-	Yes	Yes	Yes	Yes	Yes
SOFTWARE	Dynamic Backlight	-	-	Yes	Yes	Yes	Yes	Yes
	Set up Timer	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Off Timer Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Power on Screen Delay	-	-	Yes	Yes	Yes	Yes	Yes
	Auto Setup	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	No Activity Power Off	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	PJ Link Protocol	-	-	Yes	Yes	Yes	Yes	Yes
	LAN Control [Network Control]	-	-	Yes	Yes	Yes	Yes	Yes
	Web Browser Control	-	-	Yes	Yes	Yes	Yes	Yes
	Remote ID Control [Function]	-	-	Yes	Yes	Yes	Yes	Yes
SOFTWARE	Serial ID Control [Function]	-	-	Yes	Yes	Yes	Yes	Yes
	Local Dimming	-	-	Yes	Yes	Yes	Yes	Yes
	ECO Mode/Power Management Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Audio Input Select [Switching]	-	-	Yes	Yes	Yes	Yes	Yes
	Multi Monitoring & Control Software Compatible	-	-	Yes	Yes	Yes	Yes	Yes
	Early Warning Software Compatible*4	-	-	Yes	Yes	Yes	Yes	Yes
	Video Wall Manager	-	-	Yes	Yes	Yes	Yes	Yes
	Auto Display Adjustment Upgrade Kit [TY-VUK10]	-	-	Yes	Yes	Yes	Yes	Yes
	Content Management Software	-	-	Yes	Yes	Yes	Yes	Yes
	Super High Quality Up-Scaling	-	-	Yes	Yes	Yes	Yes	Yes

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

[illegible]

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

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Weights and dimensions shown are approximate. Depending on the temperature or humidity conditions, uneven brightness may be observed. This is not a malfunction. This unevenness will disappear while applying current continuously. If not, consult the distributor. Specifications and appearance are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. Windows, and PowerPoint are trademarks of Microsoft Corporation in the United States and other countries. Android is a registered trademark or trademark of Google Inc. Macintosh, Mac, Mac OS X, iPad, iPhone, iPod touch and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries. Intel® is registered trademark or trademark of Intel Corporation, registered in the U.S. and other countries and regions or registered trademarks. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. Crestron Connected™ is a trademark of Crestron Electronics, Inc. Miracast are trademarks or registered trademarks of Wi-Fi Alliance. HDBaseT is a trademark of the HDBaseT Alliance. "LinkRay", "LinkRay" icon and OpenPort PLATFORM are trademarks of Panasonic Corporation. All other trademarks are the property of their respective trademark owners. Images on screen are simulated. © 2020 Panasonic Corporation. All rights reserved.



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