

# Interactive 4K multi-touch display with infrared technology as a powerful entry-level solution



*\*The remote control receiver is detachable.*



Actual resolution: 3840 x 2160p



CQE1-IR Series				
	TH-86CQE1-IR	TH-75CQE1-IR	TH-65CQE1-IR	TH-55CQE1-IR
Screen Size	86-inch class	75-inch class	65-inch class	55-inch class
Brightness	400 cd/m <sup>2</sup>			
Contrast	1200:1	1400:1	5000:1	1300:1
Resolution	4K (3840 x 2160)			

## • Cost-effective solution

Infrared multi-touch technology with 20 simultaneous touch points and a 4K resolution which increases usability and participant engagement. Excellent choice for education and public spaces.

## • Excellent Flexibility & Reliability

The CQE1-IR Series supports a wide range of locations and store information display systems that do not require 24-hour continuous operation, such as education and corporate spaces. It also supports HTML-5, so you can display websites and update signage without a Set-top-Box.

## • Wide Expandability

In addition to HDMI-CEC, which can be controlled by a single remote control, the CQE1-IR Series can be controlled by LAN or RS-232C, which are required for business use. It is also compatible with Crestron Connected™, which can replace the existing system.

Specifications (Tentative) \*Design and specification subject to change without notice.

Model	TH-86CQE1-IR	TH-75CQE1-IR	TH-65CQE1-IR	TH-55CQE1-IR	
Display Panel	Panel Size	86-inch (2174,2 mm)	75-inch (1893,7 mm)	65-inch (1638,9 mm)	55-inch (1387,8 mm)
	Backlight	E-LED	D-LED		
	Aspect Ratio	16:9			
	Effective Display Area (W x H)	1895 x 1065,9 mm (74.6" x 41.96")	1649,6 x 927,9 mm (64.94" x 36.53")	1428,4 x 803,5 mm (56.23" x 31.63")	1209,6 x 680,4 mm (47.62" x 26.78")
	Resolution (H x V)	3840 x 2160			
	Brightness (Typ)	400 cd/m <sup>2</sup>			
	Contrast Ratio	1200:1	1400:1	5000:1	1300:1
	Response Time	8.0 ms (Typ) (G to G)			
	Viewing Angle (Horizontal/Vertical)	178° / 178° (CR>10)			
	Panel Surface Treatment	TBD			
Touch	Detection Method	Infrared Blocking Detection Method			
	Touch Operation	Up to 20-point multi-touch			
	Power Supply	USB 5 V / 300 mA			
	OS	Win 7/8/10, Android, Linux			
Terminals	HDMI In	HDMI Type A Connector x 4			
	PC In	Mini D-sub 15-pin x 1 (Female)			
	Serial	D-sub 9pin x 1 (Female) , RS-232C Compatible			
	IR In	Stereo Mini Jack (M3) x 1			
	Audio In	Pin Jack (L/R) x 2			
	Audio Out	Stereo Mini Jack (M3) x 1, SPDIFx1			
	USB	USB Connector Type-A x 2, Type-C x 1, (Internal) Type-A x 1			
	LAN	RJ45 x 1			
General	Power Requirements	110-127 V AC, 50/60 Hz, 220-240 V AC, 50/60 Hz			
	Power Consumption	max. 366 W	max. 309 W	max. 226 W	max.137 W
	Power off Condition	0 W			
	Stand-by Condition	Approx. 0.5 W			
	Wifi	Dongle	Built-in		
	Dimensions (W x H x D)	TBD	TBD	TBD	TBD
	Carton Size	TBD	TBD	TBD	TBD
	Weight	TBD	TBD	TBD	TBD
	Gross Weight	TBD	TBD	TBD	TBD
	Wall-hanging Pitch	VESA Compliant 600 x 400 mm (23.6" x 15.8"), M8		VESA Compliant 400 x 400 mm (15.8" x 15.8"), M6	VESA Compliant 400 x 200 mm (15.8" x 7.9"), M6
	Protective Glass Thickness	3 mm			
	Bezel Width	TBD	TBD	TBD	TBD
	Built-in Speaker	24 W [12 W + 12 W]		16 W [8 W + 8 W]	
	Orientation	Landscape			
	Tilting Angle*1	Landscape setting: 0-20 degrees forward			
	Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F) / Humidity: 20-80% (Non condensation) / for up to 0-1400 m (4593 ft) altitude. Temperature: 0 °C to 35 °C (32 °F to 95 °F) Altitude 1400-2800 m (4593 ft to 7874 ft)			
	Operating Time*2	16 h/day			
Options	SNMP Support	Ver. 3.0			
	Multi Monitoring & Control Software	Ver. 2.1 Windows only			
	Early Warning Software	ET-SWA100 Series			
	Whiteboard Software*3	Downloadable for free - for Windows and Mac OS			

\*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/>