

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



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 ²			
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**

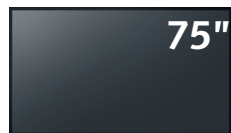
The CQE1-IR Series supports a wide range of locations and store information display systems that do not require 24-hour continuous operation, such as education and corporate spaces. It also supports HTML-5, so you can display websites and update signage without a Set-top-Box.

• **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.

CQE1-IR Series

Interactive multi-touch displays with Infrared technology



Multi-Touch Screen

Model no.	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)
Panel type	E-LED	D-LED	D-LED	D-LED
Aspect ratio	16:9		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		3840 x 2160	
Brightness (Typ)	400 cd/m2		400 cd/m2	
Contrast Ratio	1200:1		1200:1	1300:1
Response Time	8.0 ms (Typ) (G to G)		8.0 ms (Typ) (G to G)	
Viewing Angle (Horizontal/Vertical)	178°/178° (CR>10)		178°/178° (CR>10)	
Panel Surface Treatment	Anti-glare acid etched glass with 3.5% haze			
TOUCH				
Detection Method	Infrared Blocking Detection Method			
Touch Operation	Up to 20-point multi-touch			
Power Supply	USB 5V / 300mA			
OS	Win 7/8/10, Android, Linux			
TERMINAL				
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, SPDIF x 1			
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		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	Built-in	
Dimensions (W x H x D)	1.962 x 1.136 x 64,1 mm	1.716 x 1.002 x 90,8 mm	1.495 x 876,4 x 96,9 mm	1.278,3 x 750,4 x 97,5 mm
Carton Size	2.163 x 1.405 x 380 mm	1.948 x 1.170 x 210 mm	1.607 x 980 x 177 mm	1.369 x 874 x 165 mm
Weight	96,7 kg	64,8 kg	47,2 kg	29,2 kg
Gross Weight	119 kg	79 kg	58 kg	35 kg
Wall-hanging pitch	VESA Compliant 600 x 400 mm (23.6" x 15.8"), M8			
Protective Glass Thickness	3 mm			
Bezel Width	40 mm	40 mm	40 mm	34 mm
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° 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)		Temperature: 0° 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				
Multi Monitoring & Control Software	YES			
Early Warning Software	ET-SWA100 Series			
Whiteboard Software*3	Downloadable for free – for Windows			

*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/whiteboard/>

For the latest information about Panasonic Professional Displays, please visit: business.panasonic.co.uk/visual-system