

CMP307XE

Technical Specifications

GENERAL

Power Supply	AC200 - 240V
Frequency	50/60 Hz
Power Consumption	390W (Typical)
Dimensions (WxHxD)	884 x 684 x 99.7mm
Weight	29.5kg (excluding stand)

DISPLAY CHARACTERISTIC

Effective Display Area	753mm x 564mm
Aspect Ratio	4:3
Number of Pixels	1024 (Horizontal) x 768 (Vertical) pixels
Pixel Pitch	0.735 (Horizontal) x 0.735 (Vertical) mm
Number of Colours (Grey Levels)	2 million colours (128 grey levels)/ 16.7 million colours (256 grey levels)
Brightness	165cd/m ² (Typical) at white peak (with front filter, 2 million colour mode)
Contrast Ratio	400:1 (Typical, no ambient light, 2 million colour mode)
Viewing Angle	>160°

VIDEO SIGNAL INPUT

Computer Input	
Analogue (PC) RGB 1	mD-Sub 15P x 1
Analogue (PC) RGB 2	BNC x 5
Video Input (PAL/NTSC)	
Video 1 Composite	RCA x 1, S terminal x 1
Video 2 Component	RCA x 3
Audio	
3 Inputs	RCA x 3

SIGNAL INPUT AND TERMINALS

Analogue RGB 1	
Format	R, G, B analogue
Level/Impedance (RGB)	0.7±0.1Vp-p, 75Ω
Sync Signal	H/V separate syncTTL level H/V composite sync (H terminal) TTL level, positive/negative polarity, auto-detected
Frequency	Sync on G, 0.3±0.1Vp-p, 75Ω fH: 24k-64kHz, fV: 50-75Hz (Preset Signal Timings)
Connector	Mini D-sub 15-pin x 1
Analogue RGB 2	
Format	R, G, B, analogue
Level/Impedance (RGB)	0.7±0.1Vp-p, 75Ω
Sync Signal	H/V separate sync TTL level H/V composite sync (H terminal) TTL level, positive/negative polarity, auto-detected
Frequency	Sync on G, 0.3±0.1Vp-p, 75Ω fH: 24k-64kHz, fV: 50-75Hz (Preset Signal Timings)
Video Connector	BNC x 5
Audio Signal - 1 Input	
Stereo Signal	L/R 470mV high impedance
Audio Connector	RCA (L/R) x 2
Control Terminal RS-232C	
Audio Connector	8 pin mini DIN

SIGNAL OUTPUT

Speaker Output	2W + 2W (Built-in 10cm x 3cm speakers x 2)
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ENVIRONMENTAL CONDITION

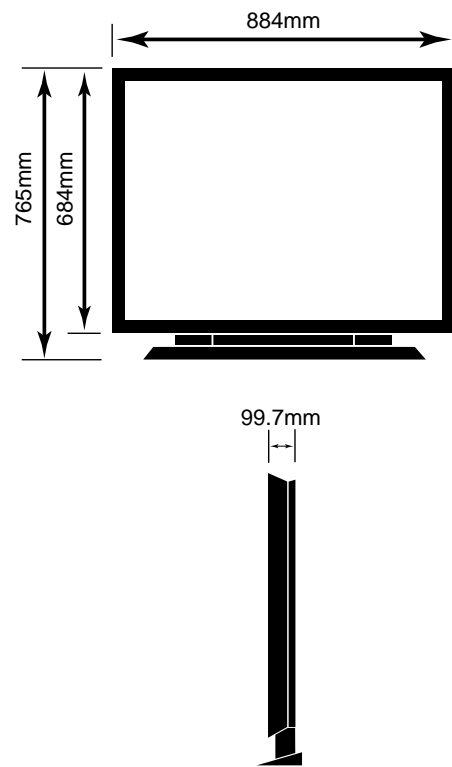
Temperature/Humidity	5 - 35°C/20 - 80% (Non-condensing)
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REGULATIONS

Safety	UL1950, CSA 22.2 No.950, EN60950
EMI	FCC class B, EN55022 class B
CE	Harmonics: EN61000-3-2 Voltage fluctuations: EN61000-3-3 Immunity: EN50082-1

SUPPLIED ACCESSORIES

AC power cord, interface cable, infra-red remote control, AA batteries, user manual.



Corresponding personal computer signals (Representative sample)				
Signal Mode	Resolution	Vertical (Hz)	Horizontal (kHz)	Dot clock (MHz)
VGA	640x400	70.08	31.47	25.18
	640x480	59.94	31.47	25.18
VESA	640x480	72.81	37.86	31.50
	640x480	75.00	37.50	31.50
	800x600	56.25	35.16	36.00
	800x600	60.32	37.88	40.00
	800x600	72.19	48.08	50.00
	800x600	75.00	46.88	49.50
Apple Macintosh	1024x768	60.00	48.36	65.00
	1024x768	70.07	56.48	75.00
	1024x768	75.03	60.02	78.75
	1280x1024	60.02	63.98	108.00
Apple Macintosh	640x480	74.55	35.00	30.24
	832x624	74.55	49.73	57.28
	1024x768	56.42	60.24	80.00

* With resolutions of 800x600, 832x624, 1024x768 and 1280x1024, compressed images are displayed on the plasma display and the thickness of letters and lines may not be uniform.

mD-sub 15P connector			
Pin No.	Signal	Pin No.	Signal
1	R.Video	9	NC
2	G video ¹⁾	10	GND
3	B.video	11	NC
4	NC	12	SDA
5	NC	13	H.sync ²⁾
6	R.GND	14	V.sync
7	G.GND	15	SCL
8	B.GND		

¹⁾ G video sync signal is available. ²⁾ H/V composite sync. signal is available.

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HITACHI
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CMP307XE

37" Multi-Scanning Colour Plasma Display



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The specification above and photography is for reference only and may be subject to change

37" MULTI-SCANNING COLOUR PLASMA DISPLAY

CMP307XE Features

- 37" true XGA with 4:3 aspect ratio is the first on the market
- Super-slim model - less than 10cm depth
- High contrast 1024 x 768 resolution
- Same shape screen (4:3 aspect ratio) as a PC generated standard makes it ideal for PC connection and information display applications
- Wide variety of computer and video inputs with built-in loud speakers

Hitachi's Plasma displays promote effective communication in a wide range of situations:

- Information boards
- Instore guide
- Executive offices
- Showroom displays
- Fitness club displays
- Visual art displays



High Definition XGA Reproduction on a Large 4:3 Screen

The CMP307XE is a 37-inch large screen display that's compatible with true XGA format. With 4:3 aspect ratio, the screen is the same shape as a PC generated standard screen, making this model ideal for information display applications.

High Quality Picture Reproduction

Depending on the image displayed, the CMP307XE can be set to reproduce in either 2 million or 16.77 million colours. The 2 million colour mode is more suitable for textural information and improves picture contrast, whereas the 16.77 million colour mode gives better colour reproduction for graphic or video display.



2 million colour mode



16.77 million colour mode

Multi-Scanning from VGA to SXGA

The CMP307XE can display images in VGA, SVGA, XGA and SXGA. Sophisticated re-mapping LSI allows full-screen display of the different input resolutions.

Colour Temperature Selector for White Balance Adjustment

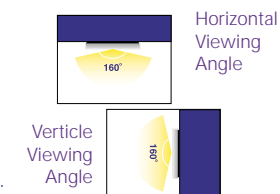
This function allows you to set any desired colour temperature to achieve the correct white balance. In addition to three fixed modes, there's a selector mode that lets the user precisely set each of the RGB colours separately.

Screen Saver Function

The display is equipped with a screen saver function that reduces phosphor burning resulting from the display of high contrast still images.

Wide Viewing Angle

The totally flat plasma screen gives the audience a clear view over an angle of more than 160° in both the horizontal and vertical directions.



Built-in Stereo Speaker System

A pair of 2W stereo speakers built into the main unit provides the ability to perform small-scale presentations etc without the need for an additional audio system.

Space Saving

Although the 37-inch screen measures 753mm x 564mm, the main unit is only 99.7mm in depth and weighs just 29.5kg (excluding the stand).

Compact and Versatile

In addition to desktop use with the optional table stand, the display can be mounted onto a ceiling or wall using one of a variety of optional mounting units, in horizontal and vertical formats.

Easy on the Environment

To make the CMP307XE as environmentally friendly as possible, Hitachi has employed non-halogen resin for the front frame and no PVC is used in the structural parts. In addition, we have succeeded in reducing the ratio of shock-absorbing material used for packing by 25% compared with our previous displays.

CMP307XE is also compliant with radio emissions self-regulatory standard FCC Class-B, which means it generates only minimal electrical interference that should not effect the operation of nearby TV's, videos, radios, etc.

Options

Table Top Mount (see main picture)
Model: CMP-AD03, 650 x 251 x 300mm



Angle Wall Mount
Model: CMPAK05
(Adjustable 0-20° in 5 steps)
550 x 413 x 75mm



Vertical/Horizontal Wall Mount
Model: CMPAK14
472 x 545 x 50mm