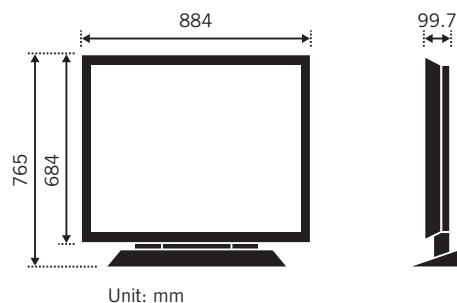


# CMP307XE Technical Specifications

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 CHARACTERISTICS	
Effective Display Area	753 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	150cd/m <sup>2</sup> (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	
<b>Computer input</b>	
Analogue (PC) RGB 1	mD-Sub 15P x 1
Analogue (PC) RGB2	BNC x 5
<b>Video input (PAL/NTSC)</b>	
Video 1 Composite	RCA pin x 1, S terminal x 1
Video 2 Component	RCA pin x 3
<b>Audio</b>	
3 Inputs	RCA pin x 3
SIGNAL INPUT AND TERMINALS	
<b>Analog RGB1</b>	
Format	R, G, B, analog
Level/Impedance (RGB)	0.7±0.1Vp-p/75
Sync Signal	H/V separate syncTTL level H/V composite sync (H terminal) TTL level, positive/negative polarity, auto-detected Sync on G0.3±0.1Vp-p/75
Frequency	fH24k64kHz, fv5075Hz (Preset Signal Timings)
Connector	Mini D-sub 15-pin x 1
<b>Analog RGB2</b>	
Format	R, G, B, analog
Level/Impedance (RGB)	0.7±0.1Vp-p/75
Sync Signal	H/V separate sync TTL level H/V composite sync (H terminal) TTL level, positive/negative polarity, auto-detected Sync on G0.3±0.1Vp-p/75
Frequency	fH 24k 64kHz fv 50 75Hz (Preset Signal Timings)
Video Connector	BNC x 5
<b>Audio Signal - 1 Input</b>	
Stereo Signal	L/R 470mV high impedance
Audio Connector	RCA pin (L/R) x 2
<b>Control Terminal RS-232C</b>	
Audio Connector	8 pin mini DIN
SIGNAL OUTPUT	
Speaker Output	2W + 2W (built-in 10cm x 3cm speakers x 2)
ENVIRONMENTAL CONDITION	
Temperature/Humidity	5 – 35°C/20 – 80% (Non-condensation)
REGULATIONS	
Safety	UL1950, CSA 22.2 No. 950, EN60950
EMI	FCC class A, EN55022 class A
CE	Harmonics: EN61000-3-2 Voltage fluctuations: EN61000-3-3 Immunity: EN50082-1
SUPPLIED ACCESSORIES	
Table top stand CMPAD03, AC power cord, interface cable, infra-red remote control, AA batteries, user manual	



Mounting options	
Wall Mount Unit (CMPAK04)	676 (W) x 559 (H) x 76mm (D) Angle adjustable 0-20° 5 step angle adjustment available
Ceiling Mount Unit (CMPAT04)	480 (W) x 960 (H) x 330mm (D) Angle adjustable
Table Top Stand (CMPAD03)	650 (W) x 252 (H) x 300mm (D)

Corresponding personal computer signals (Representative sample)				
Signal mode				
Signal	Resolution	Vertical Frequencies (Hz)	Horizontal Frequencies (kHz)	Clock Frequencies (MHz)
VGA	640 x 400	70.08	31.47	25.18
	640 x 480	59.94	31.47	25.18
VESA	640 x 480	72.81	37.86	31.50
	640 x 480	75.00	37.50	31.50
	800 x 600	56.25	35.16	36.00
	800 x 600	60.32	37.88	40.00
	800 x 600	72.19	48.08	50.00
	800 x 600	75.00	46.88	49.50
	1024 x 768	60.00	48.36	65.00
Apple	1024 x 768	70.07	56.48	75.00
	1024 x 768	75.03	60.02	78.75
	1280 x 1024	60.02	63.98	108.00
	640 x 480	74.55	35.00	30.24
	832 x 624	74.55	49.73	57.28
	1024 x 768	56.42	60.24	80.00

\* With resolutions of 800 x 600, 832 x 624, 1024 x 768 and 1280 x 1024, 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.

All brand or product names are trademarks or registered trademarks of their respective owners. Plasma panels require adequate air flow to ensure proper operation. They are not suitable for areas subject to excessive vibration. Design and specifications are subject to change without notice.

Hitachi Information Media Group, Dukes Meadow,  
Millboard Road, Bourne End, Bucks., SL8 5XF, U.K.  
Tel: +44 (0) 1628 643000 Fax: +44 (0) 1628 643400

# HITACHI

more than hitech

CMP307XE

Our most advanced  
plasma display ever



[www.hitachiplasma.com/37](http://www.hitachiplasma.com/37)



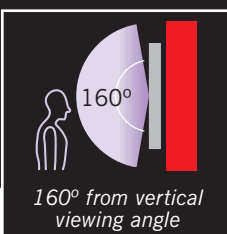
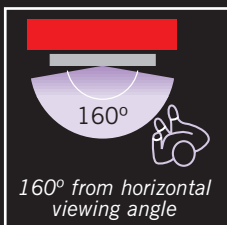
37" multi-scanning colour plasma display

**HITACHI**

more than hitech

# 37" multi-scanning colour plasma display

- 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
- Provided with table top stand, optional wall or ceiling-mounting



## Key benefits

### High definition XGA reproduction on a large 4:3 large screen

The CMP307 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 CMP307 can be set to reproduce in either 2 million or 16.77 million colours. The 2 million colour mode is more suitable for textual information and improves picture contrast, whereas the 16.77 million colour mode gives better colour reproduction for graphic or video display.

### Multi-scanning capability for wide-ranging computer compatibility

The CMP307 can display images in VGA, S-VGA, 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 save function

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

### 160° viewing angle for clear images from any position

The flat plasma screen provides clear viewing across an angle of more than 160° in both the horizontal and vertical directions, making the CMP307 the perfect display for conferences, presentations and other situations in which the same screen is viewed by large numbers of people.

### 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).



2 million colour mode



16.77 million colour mode

## Applications

With its wide variety of PC and video inputs, the CMP307 is ideal for use with all kinds of PCs as well as for video TV playback

It is effective for use in:

- Company presentation rooms
- Information and guidance boards at airports, etc.
- Event site displays
- Storefront displays for banks and security companies
- TV conference rooms
- Monitor-use displays
- Process control rooms

