

## CMP5000WXE

Hitachi's new XGA compatible high-definition plasma display incorporates a 1280 x 768 pixel high resolution. With a 50 inch 16:9 aspect ratio screen, this display is ideally suited for graphics and visual communication applications.

- 50 inch XGA compatible high definition Colour Plasma Display
- 16:9 aspect ratio
- Comprehensive audio, video and computer inputs
- Multi-Scan Converter which delivers clear high-definition graphics reproduction
- Super slim model - less than 10cm depth



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

# CMP5000WXE

## Technical Specifications

### DISPLAY

Effective Display Area	1098.2 (horizontal) x 620.5 (vertical) mm
Aspect Ratio	16:9
Number of Pixels	1280 (horizontal) x 768 (vertical) pixels
Pixel Pitch	0.858 (horizontal) x 0.808 (vertical) mm
Number of Colours	16.7 million colours (256 grey levels)
Panel Brightness	340cd/m <sup>2</sup> at white peak
Contrast Ratio	900:1
Viewing Angle	160°

### COMPUTER INPUT

Video Format	RGB analogue, 0.7Vp-p, 75Ω
Sync Level	H/V separate and H/V composite: TTL Sync on green: 1 Vp-p, 75Ω
Frequencies	Horizontal: 24 ~ 106kHz, vertical: 56 ~ 85Hz
Audio	Stereo
Connectors, RGB1	Video: mini D-sub, 15 pin x 1 Audio: 3.5mm stereo mini jack x 1
Connectors, RGB2	Video: BNC x 5 Audio: 3.5mm stereo mini jack x 1 (Shared with RGB1)
Connectors, DVI	Video: 24 pin DVI-D Audio: (Shared with RGB1)

### COMPOSITE VIDEO INPUT

Format	PAL/SECAM/NTSC, composite & S-video
Signal Level	1.0Vp-p, 75Ω, composite sync
Connectors	Video: BNC x 1, S terminal x 1 Audio: Phono (L/R) x 1

### COMPONENT VIDEO INPUT (Only with optional video card)

Format	Y, Pb, Pr or Y, Cb, Cr
Signal Level	Y=1.0V; Pb/Cb, Pr/Cr=0.7Vp-p, 75Ω, sync. on Y
Connectors	Video: BNC x 3, 15 pin D-sub Audio: Phono (L/R) x 1

### OUTPUTS

Audio	2W + 2W (2Ω) – speakers optional
Video	Loop though on composite only, BNC x 1, 75Ω 15 pin D-sub x 1

### CONTROLS

Video	Contrast, brightness, colour, colour tone, sharpness
RGB	Contrast, brightness, display size, vertical position, horizontal position, clock frequencies, clock phase
Colour Temperature	LOW: 5,500k MID/LOW: 6,500k MIDDLE: 8,500k MID/HIGH: 9,500k HIGH: 10,500k
Audio	Volume, balance, high, low, mute
Remote Control	Power, Input Changeover, Adjustment Menu Selection, Sound Volume Adjustment
Power Management	On/Off control via signal detection
RS232C	D-sub 9 pin

### POWER

Power Supply	100 ~ 240V AC, 50/60Hz
Power Consumption	380W (Standby: 1W)

### PHYSICAL

Dimensions	1218 x 714 x 98mm (WxHxD)
Weight	39kg

### OPERATING CONDITIONS

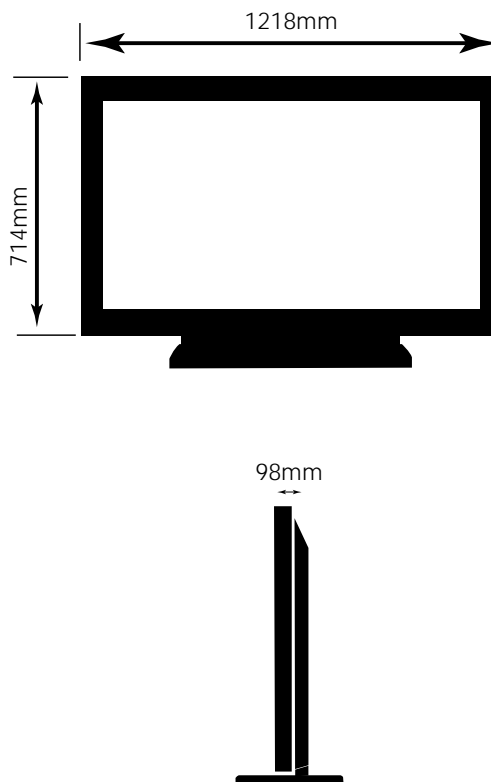
Temperature	5 ~ 40°C
Humidity	20 ~ 80% (non-condensing)
Pressure	800 ~ 1114hPa (reference value: max altitude 1888m)

### CERTIFICATION

Safety	EN60950
EMI	FCC class B, EN55022 class B
CE	EN61000-3-2, EN61000-3-3, AS/NZ53548 EN60950, EN55024

### SUPPLIED ACCESSORIES

Power cable, interface cable (m D-sub 15P connector); infrared remote control unit (with batteries, AA, R6), user manual.



PC Graphics Compatibility				
Signal Mode		Frequencies		
Signal	Resolution	Vertical (Hz)	Horizontal (kHz)	
VGA	640 x 400	56.40	24.80	
	640 x 400	70.10	31.50	
	640 x 480	60.00	31.50	
	640 x 480	66.70	35.00	
	640 x 480	72.00	37.90	
	640 x 480	75.00	37.50	
	640 x 480	85.00	43.30	
	800 x 600	56.00	35.20	
	800 x 600	60.00	37.90	
	800 x 600	72.00	48.10	
	800 x 600	75.00	46.90	
	800 x 600	85.00	53.70	
	VESA	1024 x 768	60.00	48.40
		1024 x 768	70.00	56.50
1024 x 768		75.00	60.00	
1024 x 768		74.90	60.20	
1024 x 768		85.00	68.70	
1280 x 1024		60.00	64.00	
1280 x 1024		75.00	80.00	
1280 x 1024		85.00	91.10	
1600 x 1200		60.00	75.00	
1600 x 1200		65.00	81.30	

\* Moving pictures may not be displayed correctly if the vertical frequency of the input signal is more than 60Hz.  
\* Please note that in some cases when straight line pixels are displayed at a resolution of more than 512 lines, the thickness of characters and lines may become uneven.

\* XGA and VGA are registered trademarks of IBM Corp. Macintosh is a registered trademark of Apple Computer, Inc.  
\* All other brandnames and product names are trademarks, registered trademarks or trade names of their respective holders.  
\* When a plasma display is turned on, minute dots light up on the screen. Please be aware that in some parts of the screen may not light, while in other parts dots will always light. This is normal and is not a malfunction.  
\* To prevent overheating of the plasma panel an air cooling system is used. To assure proper operation of this system, the plasma display should be installed and operated in a vertical position. If the display is installed horizontally or at an excessive angle, heat may not be effectively dissipated and overheating could occur. This could lead to a malfunction.  
\* All on-screen images shown in this catalogue are simulated. \* Design and specifications are subject to change without notice.

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