

**Pioneer** *sound.vision.soul*

PDP-61MXE1 61-inch WXGA

- Outstanding Brightness
- Ultra High Contrast
- Superior Colour Purity
- 61 inch Screen Size
- 16:9 Aspect Ratio
- Wide Range of Inputs
- High Reliability and Durability
- RS232C Control

Pioneer



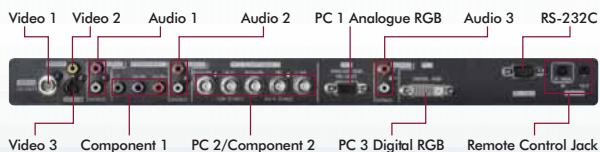
Professional Plasma Display

# The Pioneer 61-inch professional plasma display

Incorporating the latest plasma display technology with highly functional and easy to use features, professionals will appreciate the PDP-61MXE1's exceptional image quality, brightness and contrast.

## Flexible connectivity

The PDP-61MXE1 also provides a large number of connection options to extend installation flexibility. Full details can be found in the specification section. Connections include PC1 (D-sub15), Component (RCA x 3), PC2/Component2 (BNC x 5), PC3 (DVI-D with HDCP) Video1 (BNC x 1), Video2 (RCA x 1) and Video3 (S-Video Terminal x 1). The PC1 and Video1 terminals are also available as outputs. To further increase flexibility, audio inputs can also be switched to each video input, matching audio from a separate source.



## Control functions

The display is controlled through a Graphical User Interface and can be fully managed via a remote handset. The remote can be connected by wire to the display to control functions from outside of the room where the plasma is installed. Full RS-232C control is provided for remote management.

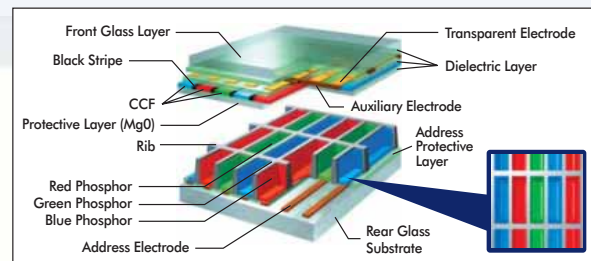
## Power consumption and durability

Pioneer's Encased Cells create an extremely efficient plasma display that does not have to work as hard as alternative products to achieve similar brightness levels. This performance helps the PDP-61MXE1 achieve low power consumption.

Life cycle management is improved with the introduction of a range of screen management features. A programmable 'orbiter function' subtly moves the position of stationary images. This helps to prevent the PDP from being overworked in one particular area of the screen to significantly extend the working life of the display. An inverse mode and soft focus mode is provided to manage any effects produced by displaying static images.

## Encased Cell Structure

The PDP-61MXE1 provides Pioneer's Encased Cell structure, which gives lower power consumption, pin sharp image quality and prevents light leakage between cells. This is one of the primary factors behind the superior performance of the display. The cells feature a larger phosphorous surface area that increases luminous efficiency, making the screen brighter and enhancing subtle details.



## High-Precision Capsulated Colour Filter (CCF)

The PDP-61MXE1's precisely engineered CCF decreases light reflection for better viewing and filters out unnecessary elements in red, green and blue light for purer colour reproduction. Skin tones appear more natural, and all images, even fast-moving ones, are crisp and vivid.

## Black Stripe

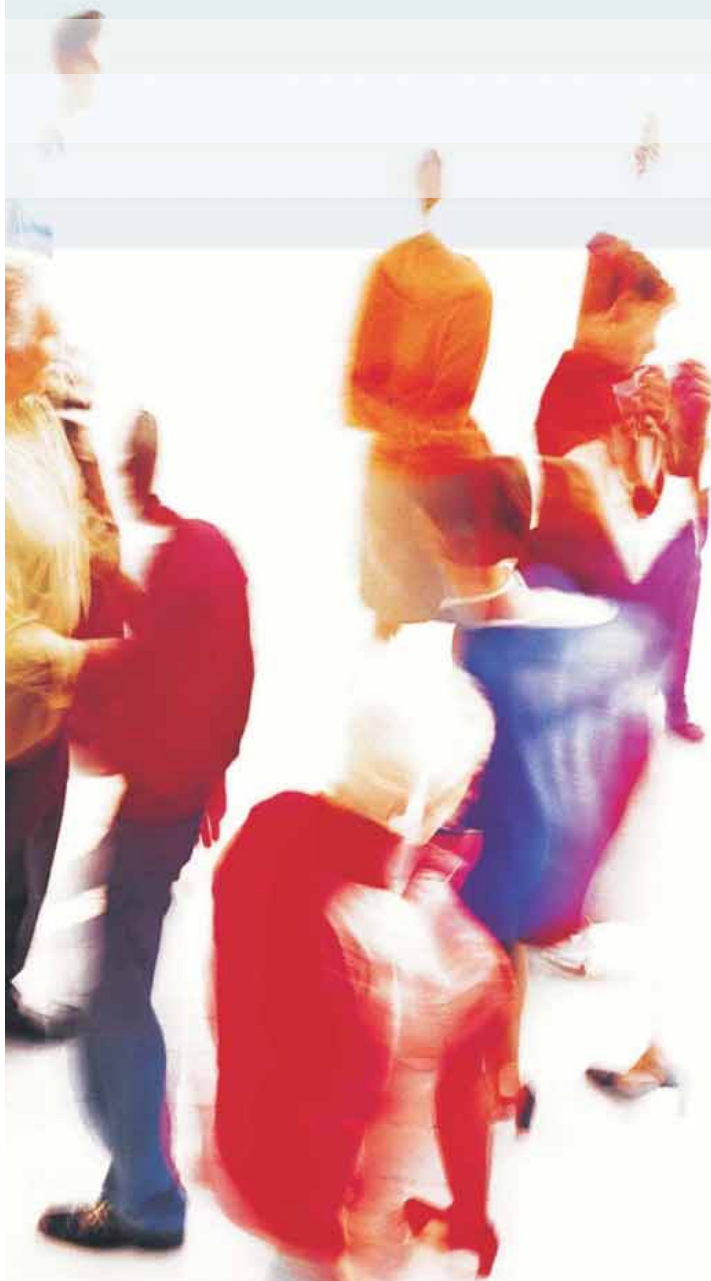
Inhibits the reflection of external light and enhances contrast to ensure that dark colours appear crisp and clear, even in bright settings.

## Full Digital Processing:

From input to output, the video signal remains in the digital domain, ensuring noise-free, no-loss signal quality for the highest possible resolution of all types of input (video to PC).

## Gamma Selection:

Four gamma modes can be selected, allowing for a more precise display of tone gradations, even for images with low lighting.





Self Diagnosis

Disable On Screen Display (OSD)

Power-On Programmable Input

Function Lock

Various Colour Temperature Settings

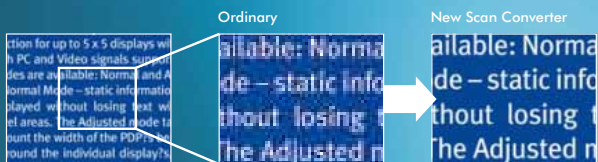
Input Skip

Wired or IR Remote Control

Class B Compliant

### New Scan Converter:

Converts input signals with high sampling accuracy so details such as small letters appear sharp and clear.



### I/P Conversion and Scaling Large Scale Integrated (LSI) Components:

These LSIs smooth jagged edges, correct colour bleeds and select the ideal input resolution by simultaneously sensing both Y and C signals, resulting in images that are smooth and clean.



### Energy Saving and Screen Management

ABL (Auto Brightness Limiter) Lock provides three selectable modes to reduce power consumption when desired. Several Screen Management modes include: Orbiter – a programmable orbiter function which subtly moves the position of stationary images. Inverse – which quickly displays the image as negative. White Mask – which simply creates a mask in the image area.

### Programmable Timer

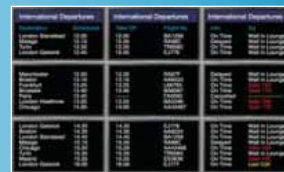
The timer function features a convenient Weekly Timer with the following programmable functions: power on/off, input selection, activation of image burn-in management modes.

### Video Wall Capabilities

The PDP-61MXE1 provides a video wall function for up to 5 x 5 displays with both PC and Video signals supported.

Two modes are available: Normal and Adjusted. In Normal Mode – static information can be displayed without losing text within the bezel areas. Adjusted mode takes into account the width of the PDP's bezels that surround the individual displays, so that the image is completely distortion-free.

3 x 3 Normal Mode



3 x 3 Adjusted Mode



### Point Zoom

Expands any portion of an image from one to nine times in 64 steps.

### Colour Detail Adjustment

Colour adjustment can be performed for any primary or secondary colour without affecting the others. For example, you can change the colour of a logo to appear correct without changing surrounding colours in the image.



## General Specifications

Effective Screen Size	1351 mm x 760 mm
Aspect Ratio	16:9
Number of Pixels	1365 x 768 (H x V)
Pixel Pitch	0.99 mm (Hor./RGB trio) x 0.99 mm x (Ver.)
Dimensions	1470 mm x 880 mm x 119 mm (W x H x D)
Weight	61 Kg
Power consumption	540W (0.9W in Stand By)
Power requirements	AC 100-240V±10% 50/60Hz
Operating Temperature	0 C ~ 40 C
Operating Humidity	20% ~ 80%
Safety regulations	CE (EN60950-1, EN55022 class B, EN55024, EN61000-3-2, EN61000-3-3), IEC60950-1 C-Tick (AS/NZS CISPR22 class B)

## Accessories

Included	Optional
Remote Controller x 1	Wall Mount (PDK-WM03)
AAA Batteries x 2	Stereo Speakers (PDP-S29-LR)
Power Cord x 1	Table Top Stand (PDK-TS06)
User s Manual x 1	
Safety Metal Fitting x 2	
Ferrite Core (small x 2, large x 2)	
Bands x 2	
Cable Clamps x 5	
Wiping Cloth x 1	

## Video input signals

Composite & Y/C	NTSC (3.58/4.43), PAL (B,G,M,N), PAL 60, SECAM
Component	50Hz: 576i, 576p, 625i, 625p, 720p, 1080i 60Hz: 480i, 480p, 525i, 525p, 720p, 1035i, 1080i
DVI-D with HDCP	50Hz: 1920 x 1080i, 1280 x 720p (No EDID Communication), 720 x 576p, 1440(720) x 576i 60Hz: 640 x 480p, 1280 x 720p, 1920 x 1080i, 720 x 480p, 1440(720) x 480i
PC	VGA-UXGA

## Audio terminals

	Connector	Signals	Level / Impedance
Audio 1	IN	RCA x 2	L/R: 500mV rms / more than 22KΩ
Audio 2	IN	RCA x 2	L/R: 500mV rms / more than 22KΩ
Audio 3	IN	RCA x 2	L/R: 500mV rms / more than 22KΩ
Speaker	OUT		L/R: 9W + 9W (6Ω)

Audio inputs are selectable to Video inputs

## Connections

	Connector	Signals	Level / Impedance
PC1*	Mini D-sub 15-pin G on Sync compatible	Analogous RGB signal  Compatible with Microsoft plug and play (VESA) DDC1/2B)	RGB: 0.7Vp-p/75Ω G on Sync: 1Vp-p/75Ω HD/CS, VD: TTL Level/2.2KΩ  (VESA) DDC1/2B)
Component 1	RCA x 3	Component Video Signal	Y: 1Vp-p/75Ω Pb/Cb, Pr/Cr: 0.525Vp-p/75Ω (75% saturation)
PC2/ Component 2	BNC x 5	Analogous RGB Signal (G on Sync compatible)  Component Video Signal	RGB: 0.7 Vp-p/75Ω G on Sync: 1V p-p/75Ω HD/CS, VD: TTL level/2.2KΩ  Y: 1Vp-p/75Ω Pb/Cb Pr/Cr: 0.525Vp-p/75Ω (75% saturation)
PC3	DVI-D 24pin	Digital RGB Signal DVI-D with HDCP Compatible with Microsoft plug and play (VESA) DDC 2B)	
Video 1*	BNC x 1	Composite Video Signal	1Vp-p/75Ω
Video 2	RCA x 1	Composite Video Signal	1Vp-p/75Ω
Video 3	Mini DIN 4Pin (S-Video terminal) x1	Y/C separate Video Signal	Y: 1Vp-p/75Ω C: 0.286Vp-p/75Ω NTSC (0.3Vp-p/75Ω (PAL)

\*PC1 and VIDEO 1 can also be used as OUTPUT terminals

## Control terminals

RS-232C	Connector	Baud Rate	9600bps (D-sub 9Pin)
Remote control In/Out	Connector		3.5mm Mini jack (x 2)

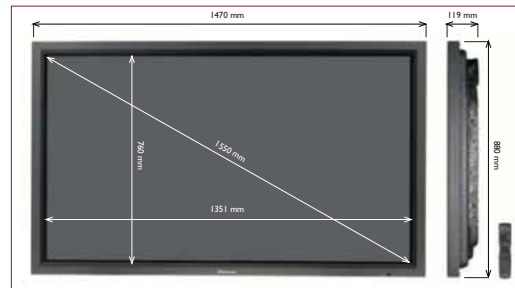
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## Dimensions



## PC Input Signal

Model	Resolution (Dot x Line)	Vertical Frequency	Horizontal Frequency	DVI	
IBM PC/AT compatible computers	640 x 400	70.1Hz	31.5kHz		
	640 x 480	59.9Hz	31.5kHz	○	
		72.8Hz	37.9kHz	○	
		75.0Hz	37.5kHz	○	
		85.0Hz	43.3kHz	○	
		100.4Hz	51.1kHz	○	
		120.4Hz	61.3kHz	○	
		848 x 480	60.0Hz	31.0kHz	○
		852 x 480 *1	60.0Hz	31.7kHz	○
	800 x 600	56.3Hz	35.2kHz	○	
		60.3Hz	37.9kHz	○	
		72.2Hz	48.1kHz	○	
75.0Hz		46.9kHz	○		
85.1Hz		53.7kHz	○		
99.8Hz		63.0kHz	○		
120.0Hz		75.7kHz	○		
1024 x 768		60.0Hz	48.4kHz	○	
		70.1Hz	56.5kHz	○	
		75.0Hz	60.0kHz	○	
	85.0Hz	68.7kHz	○		
	100.6Hz	80.5kHz	○		
1152 x 864 *	75.0Hz	67.5kHz	○		
1280 x 768	56.2Hz	45.1kHz			
	59.8Hz	48.0kHz	○		
	69.8Hz	56.0kHz	○		
	80.0Hz	49.7kHz	○		
	80.0Hz	53.1kHz	○		
	60.0Hz	47.7kHz	○		
	60.0Hz	47.7kHz	○		
	59.9Hz	48.3kHz	○		
	60.0Hz	64.0kHz	○		
	75.0Hz	80.0kHz	○		
85.0Hz	91.1kHz	○			
100.1Hz	108.5kHz	○			
1680 x 1050 * **	60.0Hz	65.3kHz	○		
1600 x 1200 *	60.0Hz	75.0kHz	○		
	65.0Hz	81.3kHz	○		
	70.0Hz	87.5kHz	○		
	75.0Hz	93.8kHz	○		
	85.0Hz	106.3kHz	○		
1920 x 1200 * **	60.0Hz	74.6kHz	○		
1920 x 1200RB * **	60.0Hz	74.0kHz	○		
Apple Macintosh	640 x 480	66.7Hz	35.0kHz		
832 x 624	74.6Hz	49.7kHz			
1024 x 768	74.9Hz	60.2kHz			
1152 x 870 *	75.1Hz	68.7kHz			
1440 x 900 * **	60.0Hz	56.0kHz	○		
Work Station (EWS4800)	1280 x 1024 *	60.0Hz	64.6kHz	○	
		71.2Hz	75.1kHz	○	
Work Station (HP)	1280 x 1024 *	72.0Hz	78.1kHz	○	
Work Station (SUN)	1152 x 900 *	66.0Hz	61.8kHz	○	
		76.0Hz	71.7kHz	○	
	1280 x 1024 *	76.1Hz	81.1kHz	○	
Work Station(SGI)	1024 x 768	60.0Hz	49.7kHz	○	
	1280 x 1024 *	60.0Hz	63.9kHz	○	

\* Compressed Display \*\* Only when using a graphic accelerator board that is capable of displaying 852 x 480. \*\* CVT standard compliant

## Your Local Dealer

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