## FLATRON Plasma

50" Plasma Display Monitor

## **MU-50PZ41B**



Featuring













Digitally yours

## FIRST INIPRESSIONS LAST.

#### WORLD CLASS TECHNOLOGY

A global leader in markets as diverse as optical storage devices and air conditioning, LG Electronics is today one of the world's fastest growing electronics companies.

With offices in 72 countries, more than 75,000 employees and over 60 subsidiary corporations, LG is already established across Europe and Asia as a premier brand, and has become a major player in sectors such as display monitors, cell-phones and CD/DVD optical storage technologies.

#### **WORLD CLASS PRODUCTION**

LG Electronics has established itself as a leader in the field of advanced plasma screen production. All FLATRON Plasma screens, (and all component plasma modules) are 100% LG manufactured in one of our two state-of-the-art automated production facilities in South Korea.

With a current 460,000 square feet of production space, LG already has the largest gas plasma module manufacturing capacity in the world, and plans to reach a volume of 1.5 million plasma modules per year by 2005. LG Electronics has an investment strategy to have the lead market share in plasma modules by this time.

#### **QUALITY AND CHOICE**

LG is committed to ensuring that our FLATRON Plasma Displays are of maximum quality, adhering to strict quality assurance guidelines. We're proud also to offer the industry's widest range of screen sizes, to cater for all your display applications.



### The 50" MU-50PZ41B

# Versatile & Brilliant Display Solutions from LG

Capturing your audience's attention is one thing, holding it is another... The 50" FLATRON MU-50PZ41B will help you to achieve both, with a combination of its ultra-modern styling, crystal clear data images and high-definition video quality.

Equipped with a wide array of data and video inputs, the MU-5OPZ41B is ideally suited to most any location or application. Exceptionally easy to use, you'll find functions such as Picture-in-Picture and side by side Twin Picture controls, Digital Zoom and DCDI™ Video Processing all help you get the most from your media. The MU-5OPZ41B also has a built-in audio amplifier and offers DASP (Digital Auto Sound Processing) for automatically adjusting audio tone for selected content. Simply add speakers.

From boardrooms to shopping malls, from video conference suites to broadcast production studios: Nothing says "technologically sophisticated" quite like a Flatron MU-50PZ41B.



### The ONLY Plasma Screens To Feature Emmy® Award Winning Faroudja Video

Directional Correlational Deinterlacing, known as DCDi<sup>TM</sup>, is state-of-the-art video processing technology invented and patented by Faroudja, a division of Genesis Microchip Inc. Faroudja is a world leader in innovative high-performance video processing and creator of Emmy® Award winning technology with over 30 years of experience.

DCDI™ was designed for video based material like fast-paced sporting events. Its purpose is to eliminate jagged edges along diagonal lines caused by interpolation and achieves this by monitoring edge transitions, intelligently filling in the gaps.

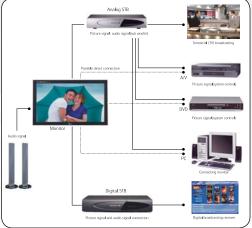


## FLATRON Playma



#### **NETWORKING PERFECTION**

The ability to integrate into any given environment or network is a speciality of the FLATRON MU-50PZ41B. Displaying data from a PC source (15-pin D-Sub VGA input), or from video sources such as DVD, VHS or digital/analog set top boxes (S-Video, Composite, DVI, 15-pin D-Sub RGB signal or Y,Pb,Pr component inputs), the MU-50PZ41B will effortlessly co-exist with your current corporate or home-based technologies. The input bay also includes an RS-232C input and a hardwired remote jack input for connecting to networking and control equipment.



#### DRP - Digital Reality Picture™

All FLATRON Plasma Screens feature Digital Reality Picture™, LG's realtime contrast-analysis algorithm. Many plasma screens suffer low visible contrast when areas of the screen contain dark detail levels.  $\mathsf{DRP}^{\mathsf{TM}}$ analyzes these dark areas and automatically resolves detail that would otherwise be missed across video or data input.





#### P-Cubed (Power-Picture Control Process)

Picture brightness levels achieved on the MU-50PZ41B screen can reach more than 250% from source material, while power consumption is simultaneously decreased.

#### 1. Picture Control Process

The MU-50PZ41B has an integrated brightness enhancement feature using 12-bit inverse gamma correction to achieve more than 1000 gray levels from an 8bit (256) gray level input signal.

#### 2. Power Control Process

A built in signal-gain control process means that the MU-50PZ41B will run at the peak efficiency of performance with minimum power consumption.

#### **TWIN PICTURE / PIP FUNCTIONS**

To increase the networkability of the MU-50PZ41B, the monitor is equipped with our advanced Twin Picture (side by side) and Picture in Picture functions. Users can quickly and easily adjust these settings using the On Screen Display menu to route different video or data sources to windows on the screen, and even set the size and location of these windows. This makes the screen ideal for applications such as video & document conferencing. CAD, digital editing and many more.

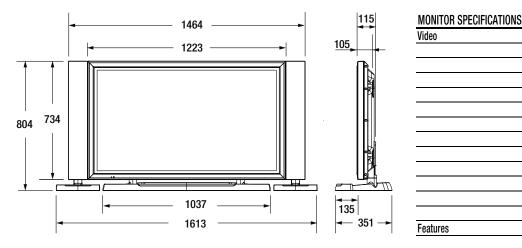
#### ISM (Burn-In Minimization)

The MU-50PZ41B features ISM, a complex screen monitoring process to minimize possible phosphor burn-in. A variety of pixel shift, brightnessdecrease steps and pattern deviation detection algorithms, coupled with the option to activate a White Wash function to remove light permanent images, will ensure your MU-50PZ41B will enjoy a clear image and a long life.

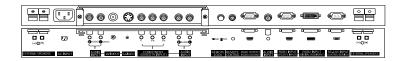
### FLATRON Plasma

### 50" Plasma Display Monitor

### **MU-50PZ41B**



#### INPUT/OUTPUT CONNECTORS



#### **RESOLUTIONS & FREQUENCIES**

<ul> <li>Compo</li> </ul>	nent Video Input	(1, CD/FD, CI/FI)	
	Resolution	H-Freq (kHz)	V-Freq (Hz)
	704 x 480	15.73	59.94
	704 x 480	31.47	59.94
	704 x 576	31.25	50.00
	720 x 480	31.50	59.94
	1280 x 720	45.00	60.00
	1280 x 720	44.96	59.94
	1920 x 1080	33.75	60.00
	1920 x 1080	33.72	59.94
	1920 x 1080	28.13	50.00
• RGB1 (	D-Sub) & RGB2 (I		
	Resolution	H-Freq (kHz)	V-Freq (Hz)
RGB1&2	640 x 350	31.468	70.09
RGB1&2	640 x 350	37.861	85.08
RGB1&2	720 x 400	31.469	70.08
RGB1&2			
nuolaz	720 x 400	37.927	85.03
RGB1&2	640 x 480	31.469	85.03 59.94
RGB1&2	640 x 480	31.469	59.94
RGB1&2 RGB1&2	640 x 480 640 x 480	31.469 35.000	59.94 66.66
RGB1&2 RGB1&2 RGB1&2	640 x 480 640 x 480 640 x 480	31.469 35.000 37.861	59.94 66.66 72.80
RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1&2	640 x 480 640 x 480 640 x 480 640 x 480	31.469 35.000 37.861 37.500 43.269 45.913	59.94 66.66 72.80 75.00
RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1 Only	640 x 480 640 x 480 640 x 480 640 x 480 640 x 480	31.469 35.000 37.861 37.500 43.269	59.94 66.66 72.80 75.00 85.00
RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1 Only RGB1 Only	640 x 480 640 x 480 640 x 480 640 x 480 640 x 480 640 x 480	31.469 35.000 37.861 37.500 43.269 45.913	59.94 66.66 72.80 75.00 85.00 90.03
RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1 Only RGB1 Only	640 x 480 640 x 480 640 x 480 640 x 480 640 x 480 640 x 480 640 x 480	31.469 35.000 37.861 37.500 43.269 45.913 53.011	59.94 66.66 72.80 75.00 85.00 90.03 100.04
RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1 Only RGB1 Only RGB1 Only	640 x 480 640 x 480	31.469 35.000 37.861 37.500 43.269 45.913 53.011 64.062	59.94 66.66 72.80 75.00 85.00 90.03 100.04 120.00
RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1&2 RGB1 Only RGB1 Only RGB1 Only RGB1 S2	640 x 480 640 x 480 800 x 600	31.469 35.000 37.861 37.500 43.269 45.913 53.011 64.062 35.156	59.94 66.66 72.80 75.00 85.00 90.03 100.04 120.00 56.25

• PCP1 //	D-Sub) & RGB2 (I	DVI) Inpute	
- nabi (i	Resolution	H-Frea (kHz)	V-Freq (Hz)
RGB1 Only	800 x 600	56.000	90.00
RGB1 Only	800 x 600	64.016	100.00
RGB1&2	832 x 624	49,725	74.55
RGB1&2	1024 x 768	48.363	60.00
RGB1&2	1024 x 768	56.476	70.06
RGB1&2	1024 x 768	60.023	75.02
RGB1&2	1024 x 768	68.677	84.99
RGB1&2	1365 x 768	47.700	60.00
RGB1&2	1365 x 768	59.625	75.02
RGB1&2	1365 x 768	67.575	84.99
RGB1&2	1152 x 864	54,348	60.05
RGB1&2	1152 x 864	63.995	70.01
RGB1&2	1152 x 864	67.500	75.00
RGB1&2	1152 x 864	77.487	85.05
RGB1&2	1152 x 870	68.681	75.06
RGB1&2	1280 x 960	75.000	75.00
RGB1&2	1280 x 1024	63,981	60.02
RGB1&2	1280 x 1024	79.796	75.02
• DTV			
	Resolution	H-Freq (kHz)	V-Freq (Hz)
RGB1&2	720 x 480	31.25	60.00
RGB1&2	1280 x 720	45.00	60.00
RGB1&2	1280 x 720	44.96	59.94
RGB1&2	1920 x 1080	33.75	60.00
RGB1&2	1920 x 1080	33.72	59.94
RGB1 Only	1920 x 1080	28.13	50.00

#### **ACCESSORIES**



Remote Control Included



Desktop Stand AP-50DA40B



Speakers AP-50SA40B (Both Optional)

Video	Aspect Ratio		16:9	
	Display		WXGA (1366 x 768)	
	Screen Size (H x V)		36.3" x 20.5" (921.2 x 519.4 mm)	
	Resolution		1366 x 768 (WXGA)	
	Cell Pitch (H x V)		0.25 x 0.81 mm	
	Picture Mode		4:3, 16:9, Zoom	
	Peak Bright		620 cd/m <sup>2</sup>	
	Contrast Ratio (Darkroom)		600:1	
	Color Temperature		8000°K	
	Viewing An	gle	>160°	
	Colors (RGB)		16.7 Million	
	Plasma Typ	ре	RGB Stripe (Black Matrix)	
	Input Signal		NTSC, HD, VGA~XGA	
Features	Digital Com	ıb Filter	Yes	
	Digital Reality Picture™		Yes	
	Picture In Picture		Yes (Variables Sizes/Positions), Side By Side	
	DCDi™ Vid	eo Processor	Yes	
Input / Output	RGB Input (	(D-SUB15)	PC (VGA-SXGA), HD (480P/720P/1080i)	
	RGB Output (D-SUB15)		RGB (PC/HD), Monitor Loop Through	
	Composite Video Input		Yes (Phono Type)	
	S-Video Input		Yes (Standard 4 Pin Mini-Din)	
	Component Video Input (Y,Pb,Pr)		SD & HD (Y/Y, Pb/Cb, Pr/Cr)	
	DVI Input (E	OVI-I)	Digital RGB Input	
	Audio Input	t	L/R, Phono Type	
	Audio Outp	ut	10W x 10W, 8 Ohm (Nominal)	
	Speaker Ou	tput Terminals	L/R, Push Terminals	
Control	Hardwired	IR Control Jack	1/8" Mini Phone Jack	
	RS232C Control		9 Pin D-Sub	
Monitor Controls	Power (Mai	Power (Main & Standby), Input Select, Volume +/-		
Remote Function Controls	Power, Sle	ep, Input Select, APC, D	ASP, ARC, PIP ARC, PIP, Twin Picture,	
	Swap, Sub Input, Menu, Mute, Vol +/-, Select +/-, OK (Enter)			
	0 ~ 9 keys,	0 ~ 9 keys, Win Size, Win Position, Split Zoom, Zoom +/-		
On Screen Adjustments	VIDEO:	APC (Auto Picture C	ontrol), ACC (Auto Color Control), Color Temp.,	
		Contrast, Brightness	s, Color, Sharpness, Tint	
	AUDIO:	DASP (Digital Audio	Sound Processing), Auto Volume Level,	
		Treble, Bass, Balan	ce	
	TIME:	Clock, On/Off Timer	, Auto Off (OSD Selectable)	
	SCREEN.		ARC (Picture format of 16:0 4:3 or 700m)	

Auto Configuration, ARC (Picture format of 16:9, 4:3 or Zoom) SCREEN:

> Zoom In/Out, Position, Manual Configuration, Screen Adj., Reset Language (English, French, Dutch, Spanish, Italian), Key Lock,

Orbiter, White Wash, Set ID

TWINI . Innut Dual Window DID Cub Innut Win Cita Win Decition DID ADC

I WIN :	input, duai window, PIP, Sud input, Win. Size, Win. Position, PIP ARC	
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)	
Operating Humidity	30% ~ 80%	
AC Input	120V	
Power Consumption	500W Max.	
Size (WxHxD)	48.2" x 28.9" x 4.1" (1223 x 734 x 105 mm)	
Size (WxHxD) with stand (Optional)	48.2" x 31.7" x 13.8" (1223 x 804 x 351 mm)	
Weight (Net)	99.9 lbs (45.3 Kg)	
Shipping Weight	115.7 lbs (52.5 Kg)	
IIPC# 719192165380		

SPECIAL:

