



DISPLAYS FOR SIGNAGE SOLUTION

2010 LG COMMERCIAL MONITOR



LG Wide Display Series, Decorating All Around The World

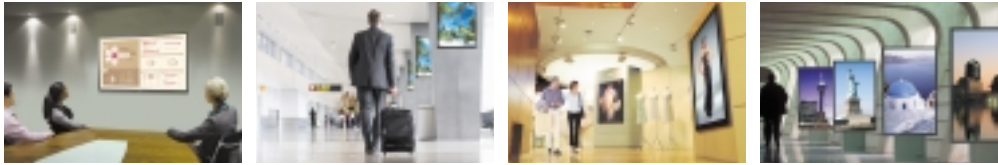
LG's innovative display solution satisfies every business sectors to be able to maximize your business. For this, Commercial monitors in wide range have been designed to give maximum impact as well as practical benefits. Easy to control, practical features fit in wherever LG Digital signage solution is in need. New era of display solution is led by LG's wide range of display series.

LG COMMERCIAL MONITOR

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Quality, Management, Flexibility



These are the most profound values LG display solution ensure to deliver you with. Discover superior quality, convenient management tools and flexible design and interface in our solution satisfying more than all you expect.

LG COMMERCIAL MONITOR

5F FLOOR GUIDE Shopping Mall

A Cosmetic	Fire Exit
D Man's Fashion	Moving staircase
F Food Court	H Electronic
Information	S Woman's Fashion

LG



A Whole New Level of Environment Standards

LG has been trying its utmost to help our business partners reduce overheads and environmental impact. Our displays are fully compliant with RoHS and WEEE. Plus, most important energy consumption concern for long hour use is also cleared out with our power saving feature. The stricter environment standard, the less concern with LG's eco-friendly display solution.

LG COMMERCIAL MONITOR

POWER SAVING

LG commercial monitors provide a way to save every penny by effectively controlling backlight level. See how this function works!

ROHS

LG displays restricted the use of hazardous substances such as lead, mercury and so on. These directive protects human health and preserves surroundings.

WEEE

(Waste Electrical & Electronic Equipment) In order to reduce the waste from electronic devices, more than 80% of LG products are recyclable. Thanks to this regulation, the owners may dispose hundreds of displays free of charge after years of use.



STANDARD MONITORS

HD



M3203C

- Exclusive PD Module
- Management Tool
- Flexible Design
- Eco-Friendly Product
- Bezel (51.5mm)
- Aspect Ratio 17:6 (M2900S)
- Aspect Ratio 17:5 (M3800S)

32"



M3703C

- Management Tool
- Flexible Design
- Eco-Friendly Product
- Bezel (52.7mm)

37"



M4213C

- Exclusive PD Module
- Management Tool
- Flexible Design
- Eco-Friendly Product
- Bezel (30.4mm)

42"

FHD



M4224C

- Exclusive PD Module
- Management Tool
- Flexible Design
- Eco-Friendly Product
- Bezel (16.9mm)

42"



M4715C

- Exclusive PD Module
- Management Tool
- Flexible Design
- Eco-Friendly Product
- Bezel (36mm)

47"



M5203C

- Management Tool
- Flexible Design
- Eco-Friendly Product
- Bezel (63.6mm)

52"



M6503C

- Exclusive PD Module
- Management Tool
- Flexible Design
- Eco-Friendly Product
- Bezel (49mm)

65"

SPECIAL MONITORS

29"~38" Class



M2900S/M3800S

- Content interchangeable
- (Zoom Function)
- Aspect Ratio : 17:6 (M2900S)
- Aspect Ratio : 17:5 (M3800S)

Stretched MNT

42" Class



M4224N

- PC Built in Monitor (Slot Type, Window OS Embedded)
- Exclusive PD Module
- Management Tool
- Flexible Design
- Eco-Friendly Product
- Bezel (16.9mm)

Controller Built-in

3D Monitor



M4210D

- OPEN GL content playable
- Conversion software (still image/ stereo movie/mixed reality)

3D MNT

Anywhere, Everywhere... Wide Display Series

LG's broad range of products in standard as well as special functions fits anywhere and everywhere. The following each unique series will deliver the very best quality and values whatever you need.



COMMERCIAL DISPLAY SERIES

M3203C

- 1 Exclusive PD Module
 - Reliable Picture Quality
 - Portrait mode
 - No Blackening Defect
 - Wide viewing angle
 - Distortion Free image
- 2 Management Tool
 - Enhanced Scheduler
 - Image Sticking Minimization (ISM)
 - Ez Net Manager
 - SuperSign Compatible
- 3 Flexible Design
 - Common Speaker & Slim Bezel
 - Video Wall Usage
 - Various Interface
 - Software Compatibility
 - Fire Retardant
- 4 Eco-Friendly Product
 - Eco-Design (ROHS, WEEE)
 - Power Saving



SPECIFICATION

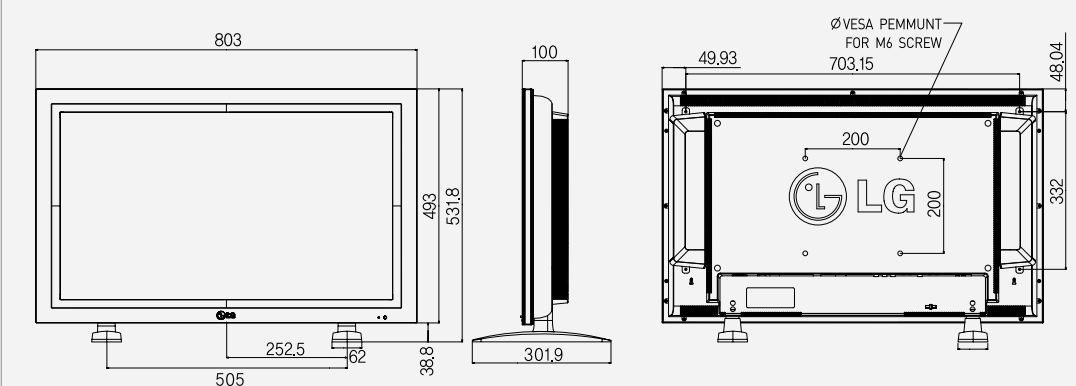
Panel

- Aspect Ratio : 16 : 9
- Native Resolution : 1366 x 768 (WXGA)
- Brightness : 500cd/m²
- Contrast Ratio : 3,000:1 (DCR)
- Response Time : 9ms (G to G)
- Viewing Angle (H x V) : 178 x 178

Audio

- Sound Mode (Clear voice / Standard / Music / Cinema / Sports / Game / User)
- Audio Power : 20W (10W x 2)

Dimension



COMMERCIAL
DISPLAY SERIES

M3703C

- 1 Management Tool
 - Enhanced Scheduler
 - Image Sticking Minimization (ISM)
 - Ez Net Manager
 - SuperSign Compatible
- 2 Flexible Design
 - Common Speaker & Slim Bezel
 - Video Wall Usage
 - Various Interface
 - Software Compatibility
 - Fire Retardant
- 3 Eco-Friendly Product
 - Eco-Design (ROHS, WEEE)
 - Power Saving



LARGE SIZE
DISPLAY SERIES

M4213C

- 1 Exclusive PD Module
 - Reliable Picture Quality
 - Portrait mode
 - No Blackening Defect
 - Wide viewing angle
 - Distortion Free image
- 2 Management Tool
 - Enhanced Scheduler
 - Image Sticking Minimization (ISM)
 - Ez Net Manager
 - SuperSign Compatible
- 3 Flexible Design
 - Common Speaker & Slim Bezel
 - Video Wall Usage
 - Various Interface
 - Software Compatibility
 - Fire Retardant
- 4 Eco-Friendly Product
 - Eco-Design (ROHS, WEEE)
 - Power Saving



SPECIFICATION

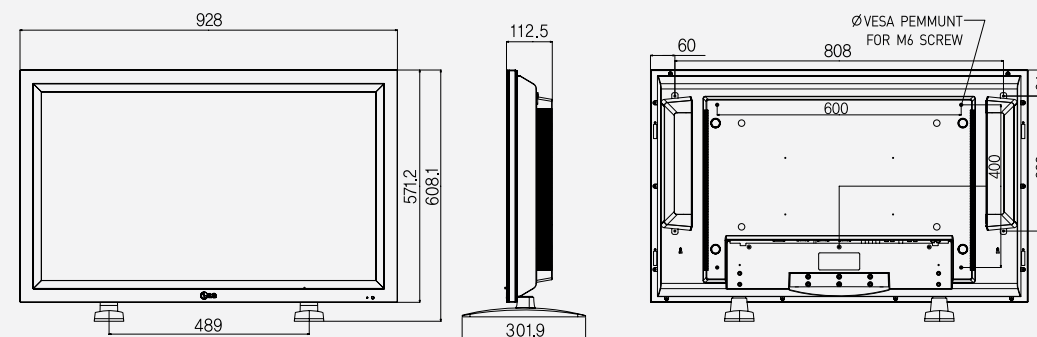
Panel

- Aspect Ratio : 16 : 9
- Native Resolution : 1366 x 768 (WXGA)
- Brightness : 500cd/m²
- Contrast Ratio : 3,000:1 (DCR)
- Response Time : 5ms (G to G)
- Viewing Angle (H x V) : 178 x 178

Audio

- Sound Mode (Clear voice / Standard / Music / Cinema / Sports / Game / User)
- Audio Power : 20W (10W x 2)

Dimension



SPECIFICATION

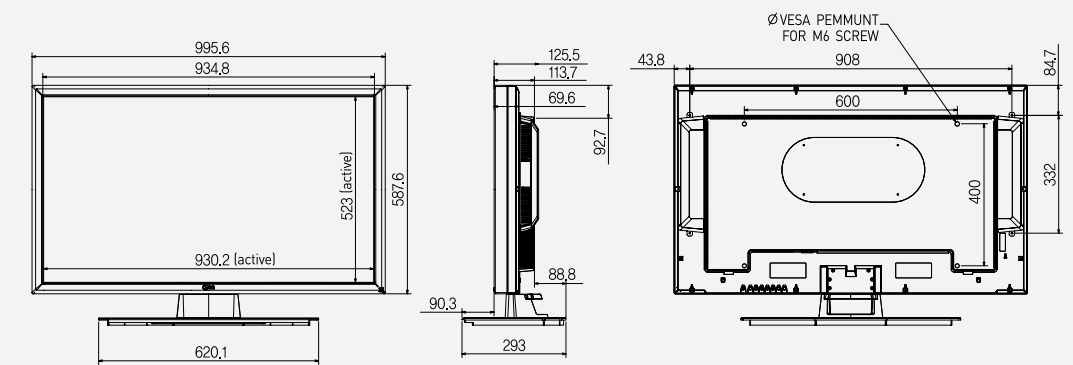
Panel

- Aspect Ratio : 16 : 9
- Native Resolution : 1366 x 768 (WXGA)
- Brightness : 500cd/m²
- Contrast Ratio : 3,000:1 (DCR)
- Response Time : 9ms (G to G)
- Viewing Angle (H x V) : 178 x 178

Audio

- Sound Mode (Clear voice / Standard / Music / Cinema / Sports / Game / User)
- Audio Power : 20W (10W x 2)

Dimension



LARGE SIZE
DISPLAY SERIES

M4224C

- 1 Exclusive PD Module
 - Reliable Picture Quality
 - Portrait mode
 - No Blackening Defect
 - Wide viewing angle
 - Distortion Free image
- 2 Management Tool
 - Enhanced Scheduler
 - Image Sticking Minimizatio (ISM)
 - Ez Net Manager
 - SuperSign Compatible
- 3 Flexible Design
 - Common Speaker & Slim Bezel
 - Video Wall Usage
 - Various Interface
 - Software Compatibility
 - Fire Retardant
- 4 Eco-Friendly Product
 - Eco-Design (ROHS, WEEE)
 - Power Saving



LARGE SIZE
DISPLAY SERIES

M4224N

- 1 PC Built in
 - Window OS Embedded
- 2 Exclusive PD Module
 - Reliable Picture Quality
 - Portrait mode
 - No Blackening Defect
 - Wide viewing angle
 - Distortion Free image
- 3 Management Tool
 - Enhanced Scheduler
 - Image Sticking Minimization (ISM)
 - Ez Net Manager
 - SuperSign Compatible
- 4 Flexible Design
 - Common Speaker & Slim Bezel
 - Video Wall Usage
 - Various Interface
 - Software Compatibility
 - Fire Retardant
- 5 Eco-Friendly Product
 - Eco-Design (ROHS, WEEE)
 - Power Saving



SPECIFICATION

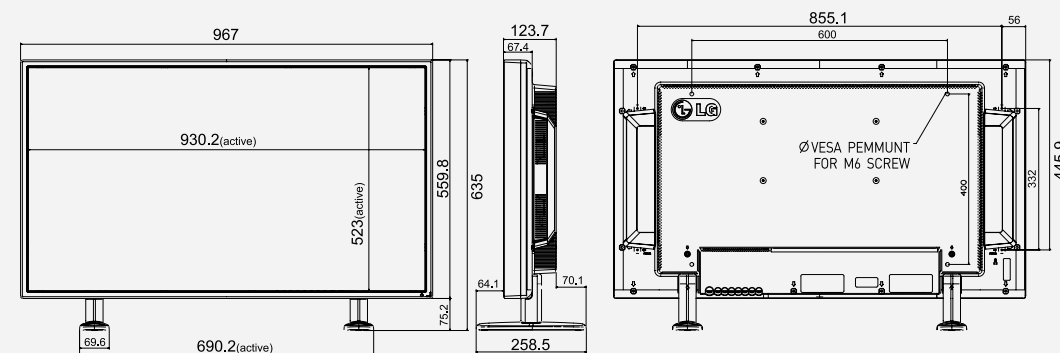
Panel

- Aspect Ratio : 16 : 9
- Native Resolution : 1920 x 1080 (WUXGA)
- Brightness : 700cd/m²
- Contrast Ratio : 3,000:1 (DCR)
- Response Time : 9ms (G to G)
- Viewing Angle (H x V) : 178 x 178

Audio

- Sound Mode (Clear Voice / Standard / Music / Cinema / Sports / Game / User)
- Audio Power : 20W (10W x 2)

Dimension



SPECIFICATION

Panel

- Aspect Ratio : 16 : 9
- Native Resolution : 1920 x 1080 (WUXGA)
- Brightness : 700cd/m²
- Contrast Ratio : 3,000:1 (DCR)
- Response Time : 9ms (G to G)
- Viewing Angle (H x V) : 178 x 178

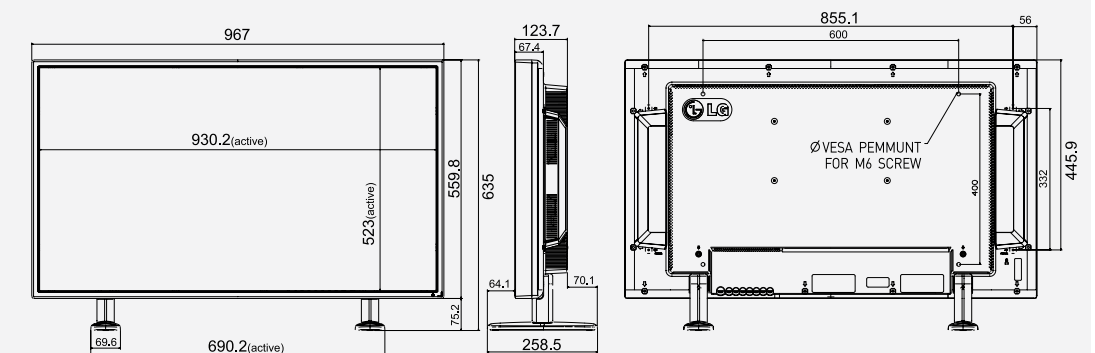
Audio

- Sound Mode (Clear Voice / Standard / Music / Cinema / Sports / Game / User)
- Audio Power : 20W (10W x 2)

Controller

- CPU : Intel Celeron575 20G
- Main Chipset : Intel GM45 ICH9
- Memory : DDR II 800MHz 1GB
- HDD : 2.5" SATA SSD 32G

Dimension



LARGE SIZE
DISPLAY SERIES

M4210D

- 1 3D Effect
 - Eye popping Effect
- 2 PC Built in
 - Windows OS Embedded
- 3 Management Tool
 - Enhanced Scheduler
 - Image Sticking Minimization (ISM)
 - Ez Net Manager
 - SuperSign Compatible
- 4 Flexible Design
 - Common Speaker & Slim Bezel
 - Video Wall Usage
 - Various Interface
 - Software Compatibility
 - Fire Retardant
- 5 Eco-Friendly Product
 - Eco-Design (ROHS, WEEE)
 - Power Saving

3D Monitor



LARGE SIZE
DISPLAY SERIES

M4715C

- 1 Exclusive PD Module
 - Reliable Picture Quality
 - Portrait mode
 - No Blackening Defect
 - Wide viewing angle
 - Distortion Free image
- 2 Management Tool
 - Enhanced Scheduler
 - Image Sticking Minimization (ISM)
 - Ez Net Manager
 - SuperSign Compatible
- 3 Flexible Design
 - Common Speaker & Slim Bezel
 - Video Wall Usage
 - Various Interface
 - Software Compatibility
 - Fire Retardant
- 4 Eco-Friendly Product
 - Eco-Design (ROHS, WEEE)
 - Power Saving



SPECIFICATION

Panel

- Aspect Ratio : 16 : 9
- Native Resolution : 1920 x 1080 (Full HD)
- Brightness : 350cd/m²
- Contrast Ratio : 800:1
- Response Time : 8ms (G to G)
- Viewing Angle (H x V) : 178 x 178

3D

- 3D Resolution : Approximately VGA
- 3D Depth : 90cm
- 3D Viewing Distance : 3m~5m

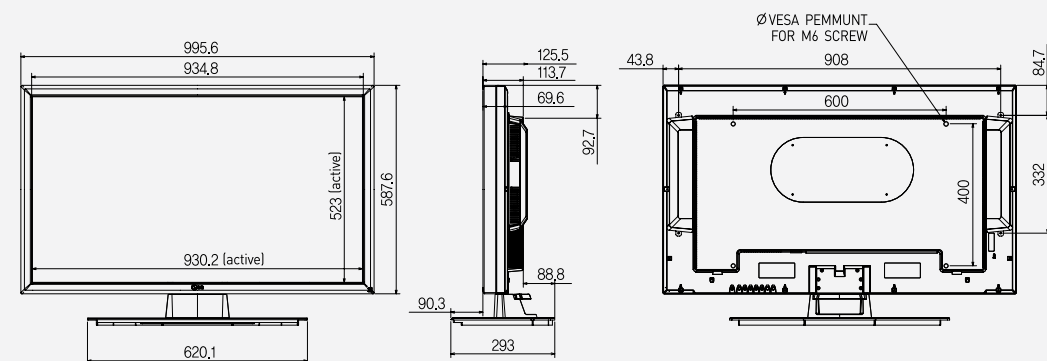
Software

- Player : Ture3D Player
- Plug in : 3D Max, Maya, Cinema4M
- LG 3D Convert Software

Controller

- CPU : Celeron M 430 1.86G
- Main Chipset : Intel 82945PM ICH7-M Base
- Memory : DDR II 667 512MB
- HDD : P-ATA 2.5" 80GB

Dimension



SPECIFICATION

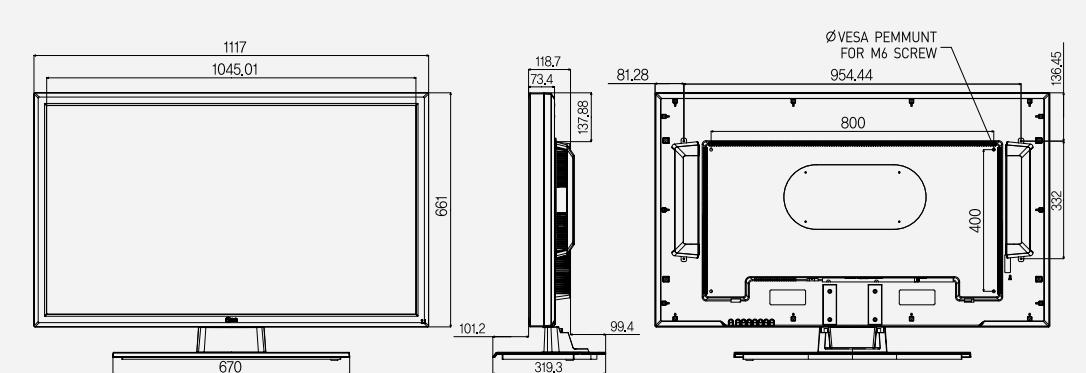
Panel

- Aspect Ratio : 16 : 9
- Native Resolution : 1920 x 1080 (WUXGA)
- Brightness : 500cd/m²
- Contrast Ratio : 3,000:1 (DCR)
- Response Time : 9ms (G to G)
- Viewing Angle (H x V) : 178 x 178

Audio

- Sound Mode (Clear Voice / Standard / Music / Cinema / Sports / Game / User)
- Audio Power : 20W (10W x 2)

Dimension



LARGE SIZE
DISPLAY SERIES

M5203C

- 1 Exclusive PD Module
 - Reliable Picture Quality
 - Portrait mode
 - No Blackening Defect
 - Wide viewing angle
 - Distortion Free image
- 2 Management Tool
 - Enhanced Scheduler
 - Image Sticking Minimization (ISM)
 - Ez Net Manager
 - SuperSign Compatible
- 3 Flexible Design
 - Common Speaker & Slim Bezel
 - Video Wall Usage
 - Various Interface
 - Software Compatibility
 - Fire Retardant
- 4 Eco-Friendly Product
 - Eco-Design (ROHS, WEEE)
 - Power Saving



LARGE SIZE
DISPLAY SERIES

M6503C

- 1 Exclusive PD Module
 - Exclusive PD Module
 - Reliable Picture Quality
 - Portrait mode
 - No Blackening Defect
 - Wide viewing angle
 - Distortion Free image
- 2 Management Tool
 - Enhanced Scheduler
 - Image Sticking Minimization (ISM)
 - Ez Net Manager
 - SuperSign Compatible
- 3 Flexible Design
 - Common Speaker & Slim Bezel
 - Video Wall Usage
 - Various Interface
 - Software Compatibility
 - Fire Retardant
- 4 Eco-Friendly Product
 - Eco-Design (ROHS, WEEE)
 - Power Saving



SPECIFICATION

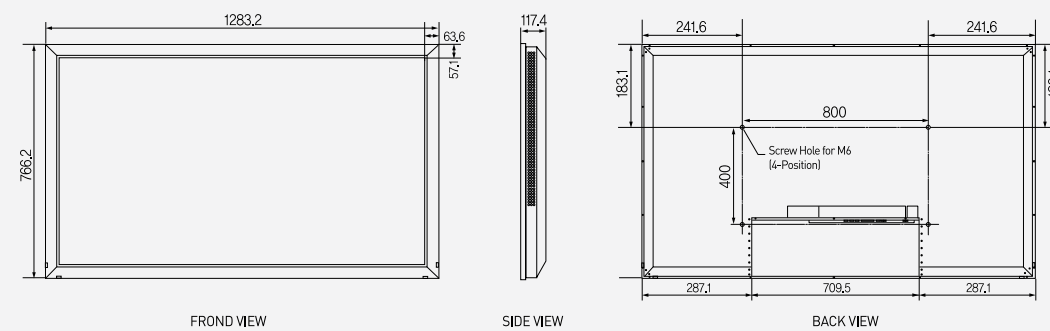
Panel

- Aspect Ratio : 16 : 9
- Native Resolution : 1920 x 1080 (WUXGA)
- Brightness : 700cd/m²
- Contrast Ratio : 5,000:1 (DCR)
- Response Time : 9ms (GTG)
- Viewing Angle (H x V) : 178 x 178

Audio

- Surround MAX
- SSM (Flat / Music / Movie / Sports / User)
- Audio Power : 20W (10W x 2)

Dimension



SPECIFICATION

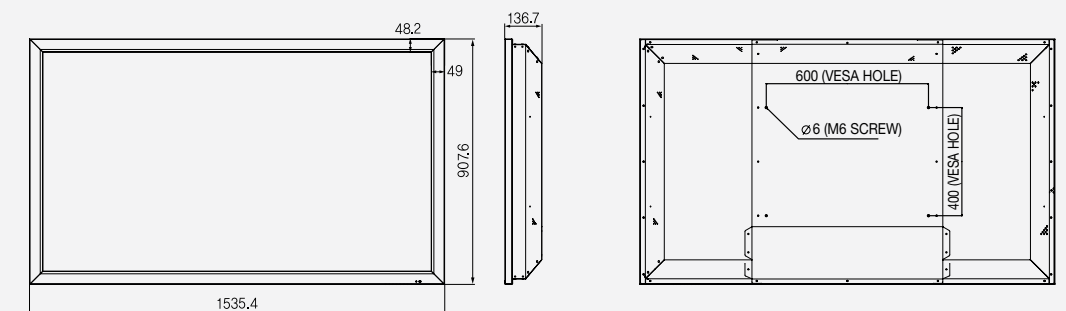
Panel

- Aspect Ratio : 16 : 9
- Native Resolution : 1920 x 1980 (WUXGA)
- Brightness : 700cd/m²
- Contrast Ratio : 5,000:1 (DCR)
- Response Time : 8ms (G to G)
- Viewing Angle (H x V) : 178 x 178

Audio

- Sound Mode (Clear Voice / Standard / Music / Cinema / Sports / Game / User)
- Audio Power : 20W (10W x 2)

Dimension



LARGE SIZE
DISPLAY SERIES

M2900S

- Content Interchangeable (Zoom Function)
- LED Substitute
- Aspect Ratio : 17:6



LARGE SIZE
DISPLAY SERIES

M3800S

- Content Interchangeable (Zoom Function)
- LED Substitute
- Aspect Ratio : 17:5



SPECIFICATION

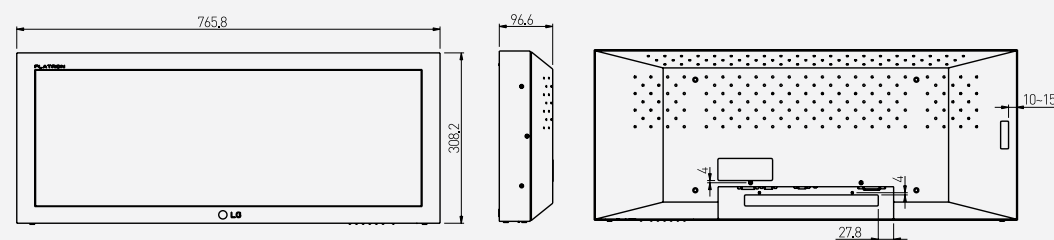
Panel

- Aspect Ratio : 17 : 6 (2,845:1)
- Native Resolution : 1366 x 480 (WXGA)
- Brightness : 450cd/m²
- Contrast Ratio : 1000 : 1
- Response Time : 8ms (G to G)
- Viewing Angle (H x V) : 178 x 178

Video

- Recommended Resolution 1360 x 768 (Analog / Digital)
- Pixel Frequency : 140MHz (RGB / DVI)
- Video Input : RGB Analog / Digital
- Color temperature Coo I / Warm / Nomal / User

Dimension



SPECIFICATION

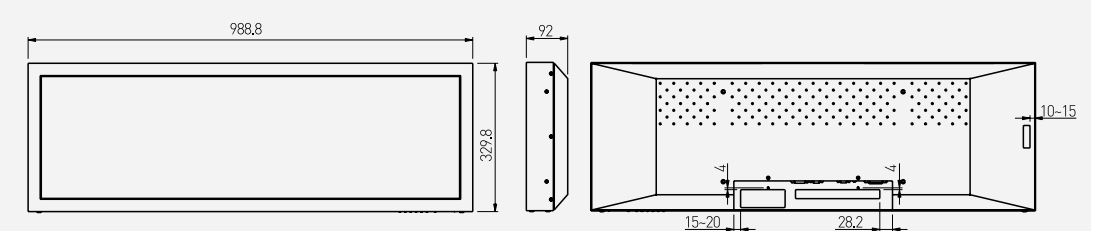
Panel

- Aspect Ratio : 17 : 5 (3,432:1)
- Native Resolution : 1366 x 398 (WXGA)
- Brightness : 450cd/m²
- Contrast Ratio : 1000 : 1
- Response Time : 8ms (G to G)
- Viewing Angle (H x V) : 178 x 178

Video

- Recommended Resolution 1360 x 768 (Analog / Digital)
- Pixel Frequency : 140MHz (RGB / DVI)
- Video Input : RGB Analog / Digital
- Color temperature Coo I / Warm / Nomal / User

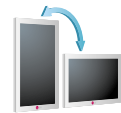
Dimension



EXCLUSIVE PD MODULE

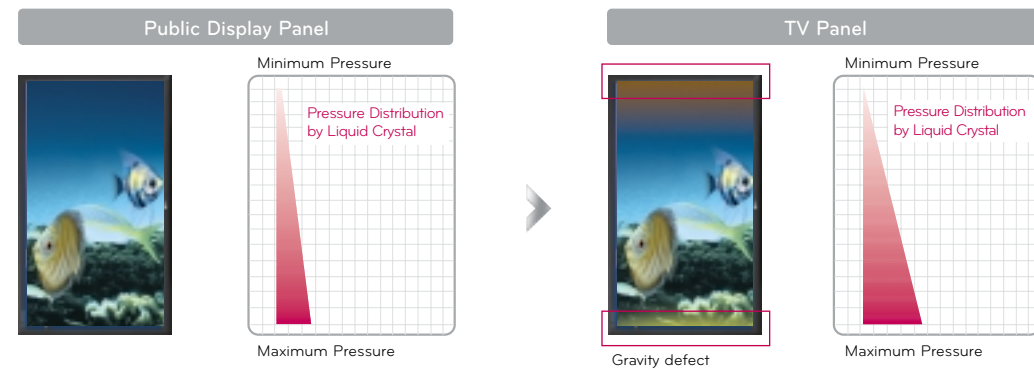
Reliable Picture Quality

LG Commercial MNT adopts the exclusive public display module whose reliability is far better than that of a normal TV module. The public display is known for high resistance to image retention and the gravity-related defect. Therefore, the public display module is a perfect fit for severe operation condition.



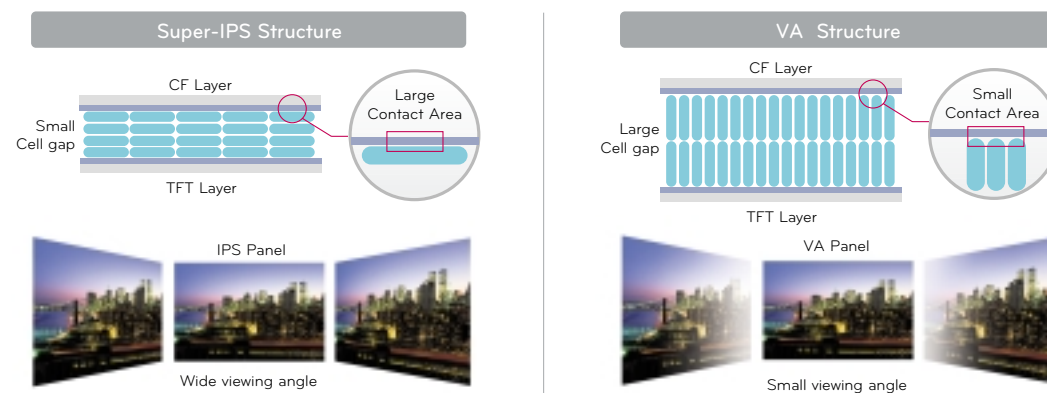
Portrait mode

The portrait display mode is the exclusive area of the PD module. The pressure exerted by the liquid crystal is generally proportional to the distance from the top of the screen. Therefore the maximum pressure is exerted at the bottom of screen while the minimum pressure is exerted at the top of the screen. However, the PD module has relatively uniform pressure distribution comparing to TV panel, which in consequence has a far better stability.



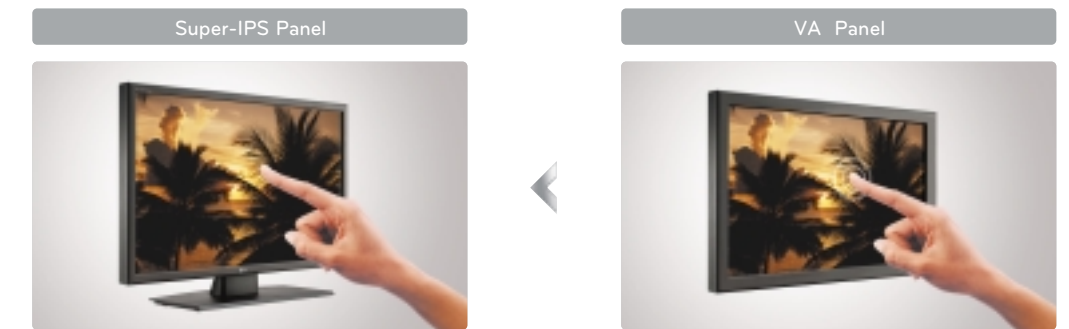
Wide Viewing Angle

Super In Plane Switching or Super IPS is the exclusive features of LG LCD Display. This unique technique has the better control of liquid crystal and in consequence, it allows you watch the screen virtually at any angles.



Distortion Free Image

IPS panel is not susceptible to image distortion upon external pressure. It is because the liquid crystal formation of IPS panel is less deformed than VA panel.



MANAGEMENT TOOL

Enhanced Scheduler

The upgraded scheduler let the user set the 'On' and 'Off' time from Monday through Sunday. So you can flexibly manage the operation time of the LG commercial monitors.

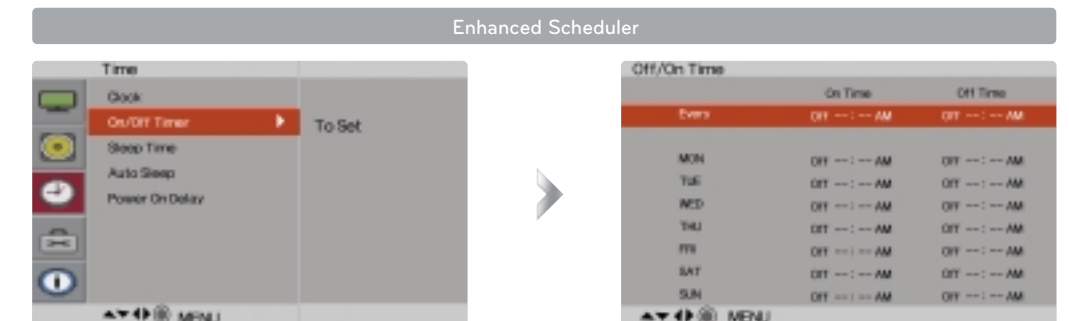
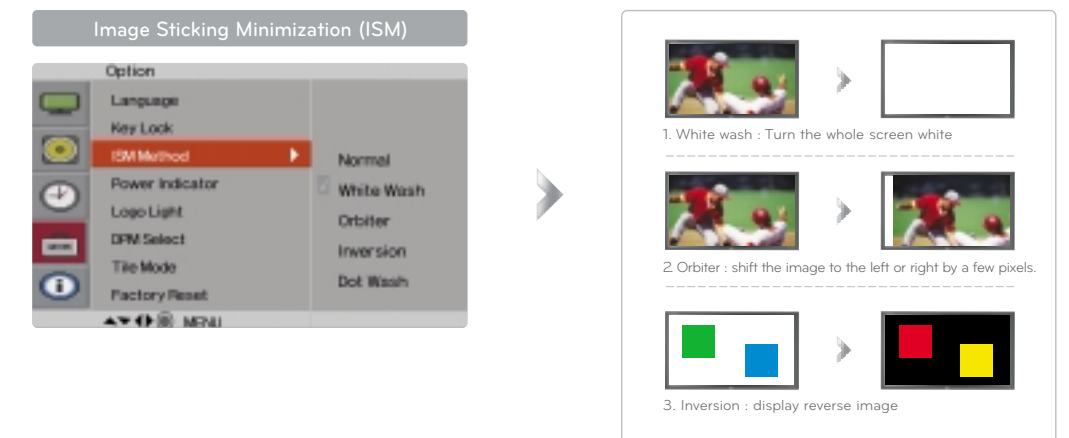


Image Sticking Minimization (ISM)

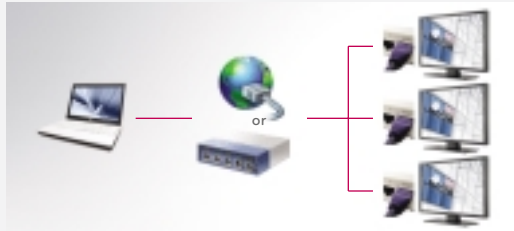
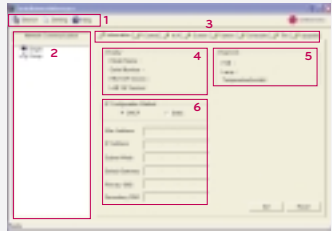
ISM is designed to alleviate the image retention to minimum level. 4 ISM options are available to optimally minimize the 'image retention'



MANAGEMENT TOOL

Ez Net Manager

eZ-Net Manager let the user control Monitors which installed remote area through Ethernet Controlling system So you can check the status of Monitors and Change the Input and Volume and even Update the Firmware from Server.

MNT Ethernet Controlling System
 Case1) LAN system by IP Hub
 Case2) WAN system by Internet infra structure

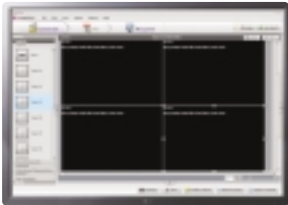
- LAN + Serial Management Program
- Single/Group WAN Control
- Monitor Auto Searching
- Self Diagnosis - Lamp, FAN, Temperature Monitoring function
- Scheduling - Power On/Off, Input setting
- Easy Tile Mode - Flexible Video Wall support
- F/W Upgrade via LAN - Takes within 5 seconds

- 1. Tool Bar** : Search, Communication Setting , Help
- 2. MNT Register Window** : MNT already searched are registered / Grouping function
- 3. Control Tap** : 8 different functions can be supported
- 4. Display** : Information for selected MNT
- 5. Diagnosis** : Current status for selected MNT
- 6. IP Setup** : Showing / change Information of IP for selected MNT

SUPERSIGN COMPATIBLEEASY


Editing _ LG SuperSign's easy content editor resolves all content production issues. LG SuperSign is so easy and efficient that even first-time users can quickly get used to the system's functionality. With sample templates tailored for specific industries and simple operating features such as 'drag & drop', you can create expert contents conveniently.

Wizard




Even a novice user can easily produce content in a few clicks.

Pre-defined Template



Customized templates designed for various industries.

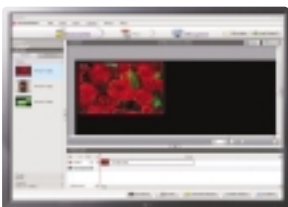
Urgent Message



Digital bulletin board to display various information and emergency notices.

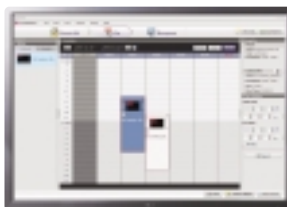
Drag & Drop Drag & Drop menu coupled with preview feature.

Content Editor




Facilitated editing of contents

Scheduler



Easier and efficient scheduling

Manager




Customized management display


MANAGEMENT TOOL

SUPERSIGN COMPATIBLEEASY

Easy Update _ LG SuperSign's remote content delivery allows you to manage your contents quickly and efficiently. LG SuperSign supports high-caliber remote content delivery. In LAN/WAN-equipped environments, you can promptly deliver contents to each display.



Using Scene - Bar
Using Scene - Shop
Using Scene - Sports Center



Morning
Lunch
Night

Easy Maintenance _ LG SuperSign's easy maintenance saves your time and cost so that you may focus your attention on making your business grow even further. LG SuperSign's real-time monitoring and diagnostic system allows you to manage the system easily even from remote locations. Detachable external media player is easy to remove from the unit. That way you can respond much more efficiently in case of an emergency.




Remote Control



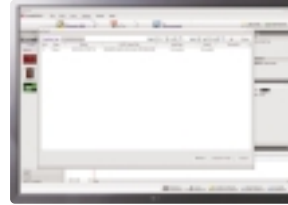
Both the display and external media player can be powered on and off and software upgrades can be installed through LAN.

Fault Tolerant System



In case of temporal errors, Supersign software provides the fault tolerant functions for automatic network reconnection or software resumption.

Log Report

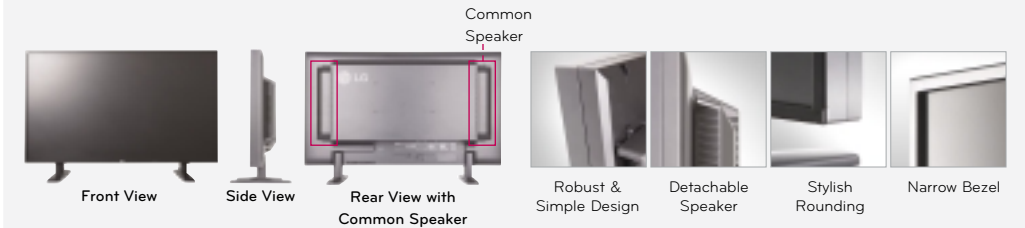


Information regarding display and content are recorded for future reference in an easy-to-read log report.

FLEXIBLE DESIGN

Common Speaker & Slim Bezel

Video Wall is one of the exclusive application of commercial display. This application requires slim bezel to make video wall image look natural. To satisfy this requirement, the M4224C has a bezel width of 17(mm). Beside, the common speaker is applicable to any LCD monitors from 32" ~ 65"



Front View
Side View
Rear View with Common Speaker
Robust & Simple Design
Detachable Speaker
Stylish Rounding
Narrow Bezel

FLEXIBLE DESIGN

Tile Mode :

The dimension of video wall application could extend to 5x5 with a signal distributor. The simple daisy-chain connection for tiling application efficiently supports up to 5x5.



Various Interface

LG commercial MNT comes with various interfaces in order to meet all the AV signals available. Specially, M4224C has a RJ-45 port for multiple displays control and software update.

PCB Size : 319 mm X 110 mm

- Standard Monitor (M3203C, M3703C, M4213C, M4224C, M4715C, M5203C, M6503C)
- Standard Monitor (M4210D)
- Special Monitor (M4224N)

Software Compatibility

One of the critical factors required for digital signage and corporate communication is the compatibility with SI. LG monitor with built-in controller can run the InfoChannel 5 software of Scala which is the leading software for network management.



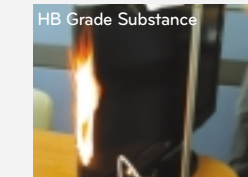
ECO-FRIENDLY PRODUCT

Fire Retardant

LG commercial MNT has a special housing of eco-friendly, flame-retardant materials. We use UL-5V, the highest rated substance, in our MNTs to ensure the fire risk is minimized. All our MNTs are fully compliant with IEC recommendation UL Qualification - so helping you stay safe and protecting your property from fire

Flame Test - HB and 5V

This test is to show what happens to the TV's case after it has been alight for three minutes



Still alight whilst exposed to a naked flame



Fire is extinguished as soon as the naked flame is removed

Eco-Design

RoHS

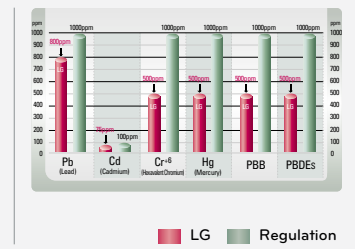


LG displays restricted the use of hazardous substances such as lead, mercury and so on. These directive protects human health and preserves surroundings.

WEEE

(Waste Electrical & Electronic Equipment)

In order to reduce the waste from electronic devices, more than 80% of LG products are recyclable. Thanks to this regulation, the owners may dispose hundreds of displays free of charge after years of use.



Save Every Penny

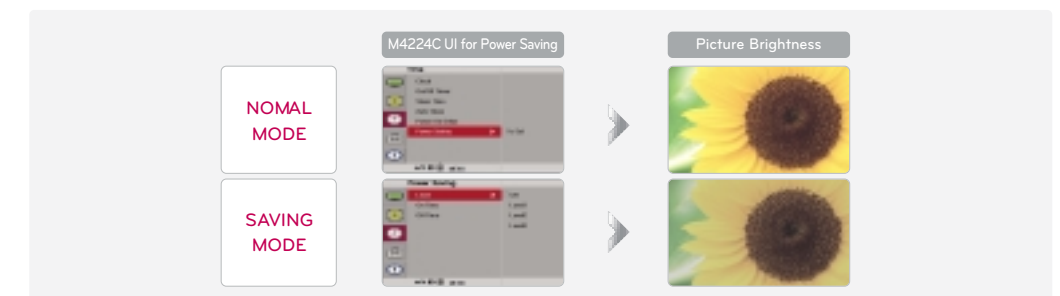
Assuming that the electricity rate is 14.2 cent/KW, the amount of money saved by M4224C and M5201C, when deployed by 1 or 100 units, are as following;

EXAMPLE	M4224C		Power (KW)	Differential (KW)	Monthly Saving(\$)		Annual Saving(\$)	
	Input: RGB, 230V	Backlight			1 (unit)	100(unit)	1 (unit)	100(unit)
Model : M4224C	Normal	Backlight : 100	0.1	0	0	0	0	0
Operation Time : 14 hours/day	Level1	Backlight : 80	0.1	0	US\$ 1.0	US\$ 101.6	US\$ 12.2	US\$ 1, 220
Rate : \$ 0.1/KWh	Level2	Backlight : 60	0.1	0	US\$ 2.2	US\$ 221.2	US\$ 26.5	US\$ 2655.4
	Level3	Backlight : 40	0.1	0	US\$ 3.4	US\$ 340.9	US\$ 40.9	US\$ 4,090.8

Consequently, if deployed by hundred, You can save more than \$4,000 a year.

Power Saving

LG commercial monitors provide a way to save every penny by effectively controlling backlight level. See how this function works!



LG SPECIAL MODEL



3D Monitor_M4210D

- Open GL
- 3D Still Image
- Mixed Reality
- Conversion Software



Stretched Monitor_M2900S | M3800S

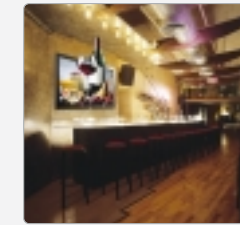
- Content Interchangeable (Zoom Function)
- LED Substitute



3D MONITOR

Various Application

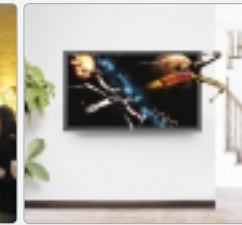
LG 3D monitor is able to display objects in 3 dimensions. Its uniqueness is good enough to mesmerize people such that it could be implemented for various purposes. You may display stereo movie or 3D animation of your own choice based on the content production process.



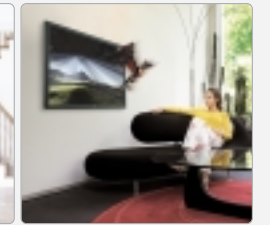
Retail Shop



Shopping Mall



3D Animation

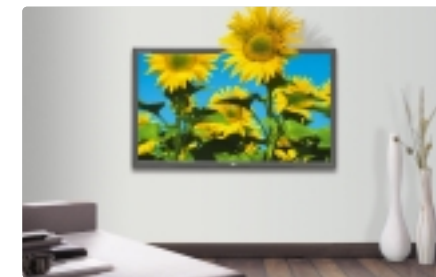


3D Movie

3D Content Type

Many different type of 3D images could be displayed through M4210D. The basic applications are 3D still photo image and 3D animation.

Still Image



In order to display still picture, the photo must be taken from 9-25 different angles.

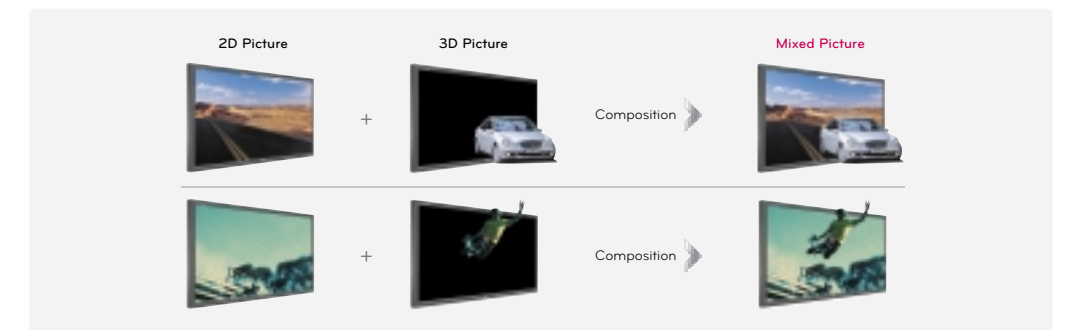
True 3D Animation



In order to display 3D animation, special software such as 3DS Max or Maya are used.

2D and 3D Mixed Movie

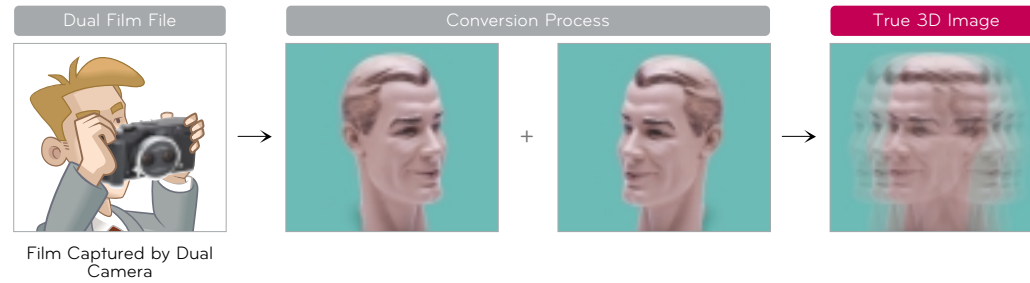
3D image with 2D background could be displayed by multiplexing 3D image created by 3DS max and 2D movie. This combination of 2D and 3D images could give the customer various application at an affordable price.



3D MONITOR

Stereo Movie to True 3D Movie

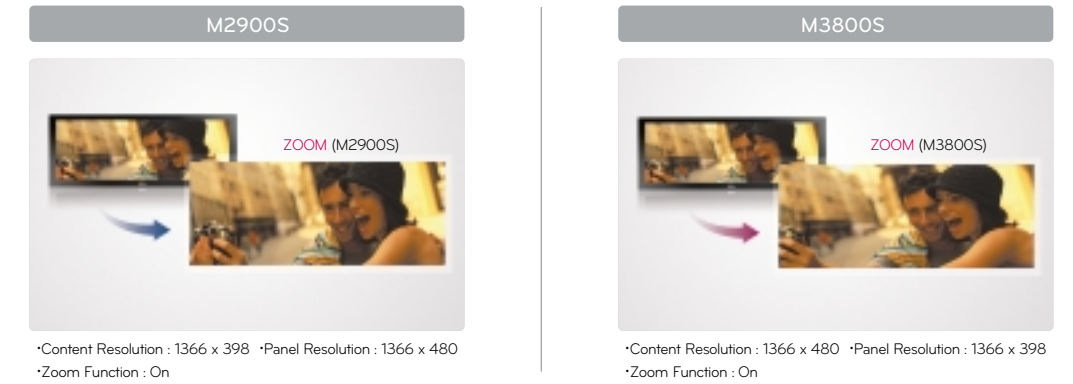
Any films that has been captured by dual camera could be converted into real 3D movie. LG's unique software converts the stereo movie into the seamless 3D movie and this will be available from the March of 2008.



STRETCHED MONITOR

Zoom Function

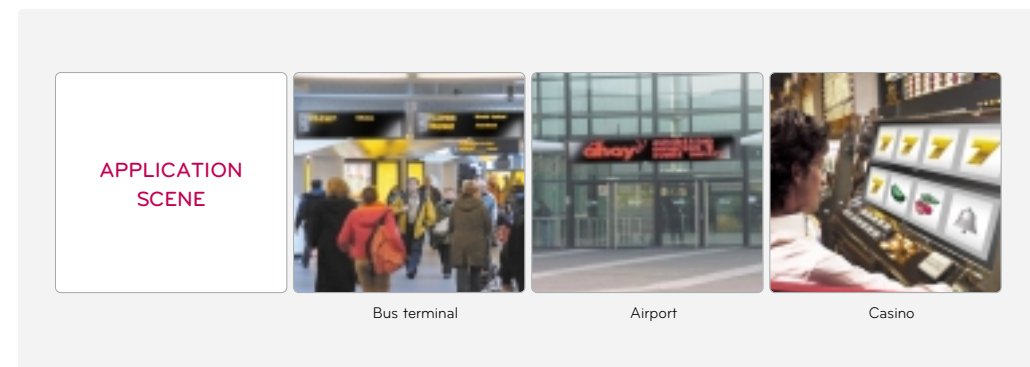
The content created for M2900S could be fit into the M3800S regardless of resolution difference. The "Zoom" function makes contents interchangeable between M2900S and M3800S



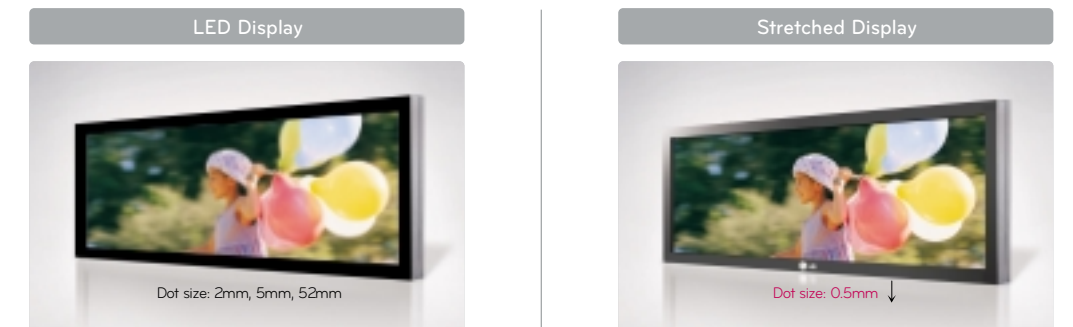
STRETCHED MONITOR

Unique Application

The stretched display has a non-standard aspect ratio for specific applications. The product concept is to replace the conventional LED display at the call center, bus terminal and casino.



Fine Picture



LCD device is known for its fine resolution so you can see much finer image than LED device

Content Production Guide

The content for the stretched monitors must be created in a specific format. The right resolution for M2900S & M3800S are 1366 x 480 and 1366 x 398 respectively.

	M2900S	M3800S
Screen Size	29.1"	38.1"
Resolution	1366(H) x 480(V)	1366(H) x 398(V)

Panel Resolution = Content Resolution

M3800S: 398 Lines Active Pixel : 1360 x 398

M2900S: 480 Lines Active Pixel : 1360 x 480

SPECIFICATION



M3203C



M3703C



M4213C



M4224C



M4224N



M4210D (3D Monitor)



M4715C

PANEL	Screen Size	32"	37"	42"	42"	42"	47"		
	Aspect Ratio	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9		
VIDEO	Native Resolution	1366 x 768 (WXGA)	1366 x 768 (WXGA)	1366 x 768 (WXGA)	1920 x 1080 (WUXGA)	1920 x 1080 (WUXGA)	1920 x 1080 (WUXGA)		
	Pixels(H x V x 3)	3,147,264	3,147,264	3,147,264	6,220,800	6,220,800	6,220,800		
	Brightness	500 cd/m ²	500 cd/m ²	500 cd/m ²	700 cd/m ²	700 cd/m ²	350 cd/m ²		
	Contrast Ratio	1,000 : 1, 3,000 : 1(DCR)	1,000 : 1, 3,000 : 1(DCR)	800 : 1, 3,000 : 1(DCR)	1,000 : 1, 3,000 : 1(DCR)	1,000 : 1, 3,000 : 1(DCR)	1,000 : 1, 3,000 : 1(DCR)		
	Viewing Angle(H x V)	178 x 178	178 x 178	178 x 178	178 x 178	178 x 178	178 x 178		
	Color Depth	16.7 Million	16.7 Million	16.7 Million	10.6 Million	10.6 Million	10.6 Million		
	Response Time	9 ms(G to G)	9 ms(G to G)	9 ms(G to G)	9 ms(G to G)	9 ms(G to G)	9 ms(G to G)		
	Surface Treatment	Hard Coating(3H) Anti-glare	Hard Coating(3H) Anti-glare	Hard Coating(3H) Anti-glare	Hard Coating(3H) Anti-glare	Hard Coating(3H) Anti-glare	Hard Coating(3H) Anti-glare		
	Max Input Resolution	1600 x 1200 @ 60Hz (RGB)	1600 x 1200 @ 60Hz (RGB)	1600 x 1200 @ 60Hz (RGB)	1920 x 1080 @ 60Hz (RGB, HDMI/DVI)	1920 x 1080 @ 60Hz (Analog, Digital)	1920 x 1080 @ 60Hz (Analog, Digital)		
	Recommended Resolution	1360 x 768 @ 60Hz (RGB, HDMI/DVI)	1360 x 768 @ 60Hz (RGB, HDMI/DVI)	1360 x 768 @ 60Hz (RGB, HDMI/DVI)	1920 x 1080 @ 60Hz (RGB, HDMI/DVI)	1920 x 1080 @ 60Hz (Analog, Digital)	1920 x 1080 @ 60Hz (Analog, Digital)		
	H-Scanning Frequency	30 ~ 83kHz (RGB, HDMI/DVI)	30 ~ 83kHz (RGB, HDMI/DVI)	30 ~ 83kHz (RGB, HDMI/DVI)	30 ~ 83kHz (RGB, HDMI/DVI)	30 ~ 68kHz	30 ~ 83kHz (RGB, HDMI/DVI)		
V-Scanning Frequency	56 ~ 75 Hz (RGB), 60Hz (HDMI/DVI)	56 ~ 75 Hz (RGB), 60Hz (HDMI/DVI)	56 ~ 75 Hz (RGB), 60Hz (HDMI/DVI)	56 ~ 75 Hz (RGB), 60Hz (HDMI/DVI)	56 ~ 60 Hz	56 ~ 75 Hz (RGB), 60Hz (HDMI/DVI)			
Pixel Frequency	162 MHz (RGB), 148.5 MHz (HDMI / DVI)	162 MHz (RGB), 148.5 MHz (HDMI / DVI)	162 MHz (RGB), 148.5 MHz (HDMI / DVI)	148.5 MHz (RGB, HDMI / DVI)	108 MHz (D-Sub)	148.5 MHz (RGB, HDMI/DVI)			
Sync Compatibility	Separate / Composite / Digital	Separate / Composite / Digital	Separate / Composite / Digital	Separate / Composite / Digital	Separate / Composite / Digital	Separate / Composite / Digital			
Video Input	RGB, HDMI / DVI	RGB, HDMI / DVI	RGB, HDMI / DVI	RGB, HDMI / DVI	RGB Analog / Digital	RGB, HDMI/DVI			
Picture Mode	Vivid / Standard / Cinema / Sports / Game / User1 / User2	Vivid / Standard / Cinema / Sports / Game / User1 / User2	Vivid / Standard / Cinema / Sports / Game / User1 / User2	Vivid / Standard / Cinema / Sports / Game / User1 / User2	RGB Analog / Digital	RGB Analog / Digital			
Color Temperature	Warm / Medium / Cool / User	Warm / Medium / Cool / User	Warm / Medium / Cool / User	Warm / Medium / Cool / User	Warm / Medium / Cool / User	Warm / Medium / Cool / User			
REAR INPUTS	Component Video	1Hi-Res	1Hi-Res	1Hi-Res	No	No	1Hi-Res		
	PC Input via 15-Pin Sub "D"	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1		
	Composite Video Input / Output	1 / 1	1 / 1	1 / 1	1 / 1	No	1 / 1		
	Audio Output	1	1	1	1	1	1		
	Audio Inputs	3 Plus PC Sound	2 Plus PC Sound	2 Plus PC Sound	2 Plus PC Sound	PC to Board(Internal / Head Phone)	2 Plus PC Sound		
	HDTV Formats	Component : 720p / 1080i HDMI : 720p / 1080i / 1080p	Component : 720p / 1080i HDMI : 720p / 1080i / 1080p	Component : 720p / 1080i HDMI : 720p / 1080i / 1080p	Component : 720p / 1080i HDMI : 720p / 1080i / 1080p	No	Component : 720p / 1080i / 1080p HDMI : 720p / 1080i / 1080p		
	PC Formats	Auto Scaling to WUXGA	Auto Scaling to WUXGA	Auto Scaling to WUXGA	Auto Scaling to WUXGA	WUXGA	Auto Scaling to WUXGA		
	HDMI / DVI with HDCP	Yes	Yes	Yes	Yes	DVI (only), Without HDCP	Yes		
	RS-232C Input / Output	1 / 1, Female-to-Female Crossed Type	1 / 1, Female-to-Female Crossed Type	1 / 1, Female-to-Female Crossed Type	1 / 1, Female-to-Female Crossed Type	1 / 1, Male-to-Female Straight Type	1 / 1, Female-to-Female Crossed Type		
	RJ-45	Yes	Yes	Yes	Yes	Yes	Yes		
	S-Video	1(S-Video has a priority but there is no input mode.)	1(S-Video has a priority but there is no input mode.)	1(S-Video has a priority but there is no input mode.)	1(S-Video has a priority but there is no input mode.)	No	1(S-Video has a priority but there is no input mode.)		
Audio Jack Built-in(No Amp)	Yes	Yes	Yes	Yes	Yes	Yes			
AUDIO	Discrete IR Input	Yes	Yes	Yes	Yes	Yes	Yes		
	Surround MAX	Yes	Yes	Yes	Yes	Yes	Yes		
	Auto Volume	Yes	Yes	Yes	Yes	Yes	Yes		
	Audio Power	20W(10W x 2)	20W(10W x 2)	20W(10W x 2)	20W(10W x 2)	20W(10W x 2)	20W(10W x 2)		
	Balance	Yes	Yes	Yes	Yes	Yes	Yes		
	Sound Mode	Clear Voice / Standard / Music / Cinema / Sports / Game / User	Clear Voice / Standard / Music / Cinema / Sports / Game / User	Clear Voice / Standard / Music / Cinema / Sports / Game / User	Clear Voice / Standard / Music / Cinema / Sports / Game / User	Flat / Music / Movie / Sports / User	Flat / Music / Movie / Sports / User		
	Advanced Picture In Picture	No	No	No	No	No	No		
	New Temperature Sensor	Yes	Yes	Yes	Yes	No	Yes		
	New Lamp Fault Sensor	Yes	Yes	Yes	Yes	No	Yes		
	New Split Zoom(Self Video Wall, Max 5 X 5)	Yes, Supports natural mode	Yes, Supports natural mode	Yes, Supports natural mode	Yes, Supports natural mode	Yes	Yes, Supports natural mode		
SPECIAL FEATURES	Image Zoom	No	No	No	No	No	No		
	Source Selection	Digital (HDMI / DVI) / Analog (RGB) / Component / AV	Digital (HDMI / DVI) / Analog (RGB) / Component / AV	Digital (HDMI / DVI) / Analog (RGB) / Component / AV	Digital (HDMI / DVI) / Analog (RGB) / Component / AV	Analog (RGB) / DVI	Digital (HDMI / DVI) / Analog (RGB) / Component / AV		
	Brightness/Contrast	Yes	Yes	Yes	Yes	Yes	Yes		
	Color	Warm / Medium / Cool / User Control (R/G/B)	Warm / Medium / Cool / User Control (R/G/B)	Warm / Medium / Cool / User Control (R/G/B)	Warm / Medium / Cool / User Control (R/G/B)	6500K / 9300K User Control (R/G/B)	6500K / 9300K User Control (R/G/B)		
	Position	H / V	H / V	H / V	H / V	H / V	H / V		
	Tracking	Auto / Clock / Phase	Auto / Clock / Phase	Auto / Clock / Phase	Auto / Clock / Phase	Auto / Clock / Phase	Auto / Clock / Phase		
	Set-up	Language (English / French / Spanish / Italian / German / Portugues / Korean / Japanese / Chinese / Russian)	Language (English / French / Spanish / Italian / German / Portugues / Korean / Japanese / Chinese / Russian)	Language (English / French / Spanish / Italian / German / Portugues / Korean / Japanese / Chinese / Russian)	Language (English / French / Spanish / Italian / German / Portugues / Korean / Japanese / Chinese / Russian)	Language (English / French / Spanish / Italian / German / Portugues / Korean)	Language (English / French / Spanish / Italian / German / Portugues / Korean)		
	ISM Method	Normal / White Wash / Orbiter / Inversion / Dot wash	Normal / White Wash / Orbiter / Inversion / Dot wash	Normal / White Wash / Orbiter / Inversion / Dot wash	Normal / White Wash / Orbiter / Inversion / Dot wash	Normal / White Wash / Orbiter / Inversion / Dot wash	Normal / White Wash / Orbiter / Inversion / Dot wash		
	XD	Gamma / Film mode / Black Level / Noise Reduction	Gamma / Film mode / Black Level / Noise Reduction	Gamma / Film mode / Black Level / Noise Reduction	Gamma / Film mode / Black Level / Noise Reduction	Gamma / Film mode / Black Level / Noise Reduction	Gamma / Film mode / Black Level / Noise Reduction		
	Advanced	Auto Adjust, OSD Lock	Auto Adjust, OSD Lock	Auto Adjust, OSD Lock	Auto Adjust, OSD Lock	PC Control, OSD Lock	PC Control, OSD Lock		
	Special	Yes	Yes	Yes	Yes	Yes	Yes		
	Auto Power/Source Memory	Yes	Yes	Yes	Yes	Yes	Yes		
	Key Lock	Yes	Yes	Yes	Yes	Yes	Yes		
	CABINET	Color	Black / Silver	Black / Silver	Black / Silver	Black / Silver	Black / Silver	Black	
		Monitor Dimension(W X H X D) / Weight	31.61" x 19.41" x 3.93" / 31.7lb	36.54" x 22.49" x 4.43" / 45.8lb	39.2" x 22.94" x 2.31" / 46.7lb	38.07" x 22.04" x 4.87" / 41.24lb	38.07" x 22.04" x 4.87" / 41.24lb	39.2" x 23.1" x 4.7" / 71.88lb	43.98" x 26.02" x 4.67" / 63.5lb
		Monitor with Optional Stand	31.61" x 21.26" x 7.58"	36.54" x 24.45" x 8.96"	39.2" x 26.6" x 11.5"	38.07" x 25.0" x 10.18"	38.07" x 25.0" x 11.5"	44.4" x 26.6" x 11.5"	43.98" x 29.74" x 12.57"
		& Speaker Dimensions(W X H X D)							
		Carton Dimensions(W X H X D)	38.7" x 26" x 7.4" (full package), 35.2" x 23.3" x 7.4" (head only)	115.9" x 25.5" x 7.66" (full package), 102.5" x 25.3" x 6.83" (head only)	52.4" x 30.4" x 10.1" (full package), 44.1" x 26" x 11.2" (head only)	42.09" x 25.9" x 7.0" (full package), 38.07" x 22.05" x 4.88" (head only)	42.09" x 25.9" x 7.0" (full package), 38.07" x 22.05" x 4.88" (head only)	42.0" x 29.8" x 14.5"	54.7" x 31" x 11.2" (full package), 46.7" x 29.8" x 12.4" (head only)
		Packed Weight	47.2lb (full package), 39.2lb (head only)	66.8lb (full package), 57.9lb (head only)	64.4lb (full package), 55.6lb (head only)	52.5lb (full package), 47.9lb (head only)	52.5lb (full package), 47.9lb (head only)	84.88lb (with Stand)	87.6lb (full package), 75.2lb (head only)
		VESA™ Standard Mount Interface (mm)	200 X 200 (RW200)	600 X 400 (AP-WX60)	600 X 400 (AP-WX60)	600 X 400 (AP-WX60)	600 X 400 (AP-WX60)	800 X 400 (AP-WX60)	800 X 400 (AP-WX60)
POWER	Power Supply	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz		
	Power Type	Built-in Power	Built-in Power	Built-in Power	Built-in Power	Built-in Power	Built-in Power		
	Power Switch Type	Tact Switch	Tact Switch	Tact Switch	Tact Switch	Tact Switch	Tact Switch		
	Power Saving	Normal	180 W	220 W	220 W	300 W	270 W		
	Stand-by/Suspend	TW (RGB) / 2W (HDMI/DVI)	TW (RGB) / 2W (HDMI/DVI)	TW (RGB) / 2W (HDMI/DVI)	TW (RGB) / 2W (HDMI/DVI)	TW (RGB) / 2W (HDMI/DVI)	TW (RGB) / 2W (HDMI/DVI)		
	STANDARD (CERTIFICATION)	UL / c-UL / CB scheme / TUV	UL / c-UL / CB scheme / TUV	UL / c-UL / CB scheme / TUV	UL / c-UL / CB scheme / TUV / NEMKO	UL / c-UL / CB scheme / TUV / NEMKO	UL / c-UL / CB scheme / TUV / NEMKO		
EMC	FCC Class "B" / VCCI / C-tick / GOST / CE / KCC	FCC Class "B" / VCCI / C-tick / GOST / CE / KCC	FCC Class "B" / VCCI / C-tick / GOST / CE / KCC	FCC Class "B" / VCCI / C-tick / CE / KCC	FCC Class "B" / VCCI / C-tick / CE / KCC	FCC Class "B" / VCCI / C-tick / CE / KCC			

*The specification could be changed without prior notice.

PANEL	Screen Size	42"	42"	42"	47"	
	Aspect Ratio	16 : 9	16 : 9	16 : 9	16 : 9	
VIDEO	Native Resolution	1920 x 1080 (WUXGA)	1920 x 1080 (WUXGA)	1920 x 1080 (WUXGA)	1920 x 1080 (WUXGA)	
	Pixels(H x V x 3)	6,220,800	6,220,800	6,220,800	6,220,800	
	Brightness	700 cd/m ²	700 cd/m ²	700 cd/m ²	350 cd/m ²	
	Contrast Ratio	1,000 : 1, 3,000 : 1(DCR)	1,000 : 1, 3,000 : 1(DCR)	1,000 : 1, 3,000 : 1(DCR)	1,000 : 1, 3,000 : 1(DCR)	
	Viewing Angle(H x V)	178 x 178	178 x 178	178 x 178	178 x 178	
	Color Depth	10.6 Million	10.6 Million	10.6 Million	10.6 Million	
	Response Time	9 ms(G to G)	9 ms(G to G)	9 ms(G to G)	9 ms(G to G)	
	Surface Treatment	Hard Coating(3H) Anti-glare	Hard Coating(3H) Anti-glare	Hard Coating(3H) Anti-glare	Hard Coating(3H) Anti-glare	
	Max Input Resolution	1920 x 1080 @ 60Hz (RGB, HDMI/DVI)	1920 x 1080 @ 60Hz (RGB, HDMI/DVI)	1920 x 1080 @ 60Hz (Analog, Digital)	1920 x 1080 @ 60Hz (RGB, HDMI/DVI)	
	Recommended Resolution	1920 x 1080 @ 60Hz (RGB, HDMI/DVI)	1920 x 1080 @ 60Hz (RGB, HDMI/DVI)	1920 x 1080 @ 60Hz (Analog, Digital)	1920 x 1080 @ 60Hz (RGB, HDMI/DVI)	
	H-Scanning Frequency	30 ~ 83kHz (RGB, HDMI/DVI)	30 ~ 83kHz (RGB, HDMI/DVI)	30 ~ 68kHz	30 ~ 83kHz (RGB, HDMI/DVI)	
V-Scanning Frequency	56 ~ 75 Hz (RGB), 60Hz (HDMI/DVI)	56 ~ 75 Hz (RGB), 60Hz (HDMI/DVI)	56 ~ 60 Hz	56 ~ 75 Hz (RGB), 60Hz (HDMI/DVI)		
Pixel Frequency	148.5 MHz (RGB, HDMI / DVI)	148.5 MHz (RGB, HDMI / DVI)	108 MHz (D-Sub)	148.5 MHz (RGB, HDMI/DVI)		
Sync Compatibility	Separate / Composite / Digital	Separate / Composite / Digital	Separate / Composite / Digital	Separate / Composite / Digital		
Video Input	RGB, HDMI / DVI	RGB, HDMI / DVI	RGB Analog / Digital	RGB, HDMI/DVI		
Picture Mode	Vivid / Standard / Cinema / Sports / Game / User1 / User2	Vivid / Standard / Cinema / Sports / Game / User1 / User2	RGB Analog / Digital	RGB Analog / Digital		
Color Temperature	Warm / Medium / Cool / User	Warm / Medium / Cool / User	Warm / Medium / Cool / User	Warm / Medium / Cool / User		
REAR INPUTS	Component Video	1Hi-Res	1Hi-Res	No	1Hi-Res	
	PC Input via 15-Pin Sub "D"	1 / 1	1 / 1	1 / 1	1 / 1	
	Composite Video Input / Output	1 / 1	1 / 1	No	1 / 1	
	Audio Output	1	1	1	1	
	Audio Inputs	2 Plus PC Sound	2 Plus PC Sound	PC to Board(Internal / Head Phone)	2 Plus PC Sound	
	HDTV Formats	Component : 720p / 1080i / 1080p HDMI : 720p / 1080i / 1080p	Component : 720p / 1080i / 1080p HDMI : 720p / 1080i / 1080p	No	Component : 720p / 1080i / 1080p HDMI : 720p / 1080i / 1080p	
	PC Formats	Auto Scaling to WUXGA	Auto Scaling to WUXGA	WUXGA	Auto Scaling to WUXGA	
	HDMI / DVI with HDCP	Yes	Yes	DVI (only), Without HDCP	Yes	
	RS-232C Input / Output	1 / 1, Female-to-Female Crossed Type	1 / 1, Female-to-Female Crossed Type	1 / 1, Male-to-Female Straight Type	1 / 1, Female-to-Female Crossed Type	
	RJ-45	Yes	Yes	Yes	Yes	
	S-Video	1(S-Video has a priority but there is no input mode.)	1(S-Video has a priority but there is no input mode.)	No	1(S-Video has a priority but there is no input mode.)	
Audio Jack Built-in(No Amp)	Yes	Yes	Yes	Yes		
AUDIO	Discrete IR Input	Yes	Yes	Yes	Yes	
	Surround MAX	Yes	Yes	Yes	Yes	
	Auto Volume	Yes	Yes	Yes	Yes	
	Audio Power	20W(10W x 2)	20W(10W x 2)	20W(10W x 2)	20W(10W x 2)	
	Balance	Yes	Yes	Yes	Yes	
	Sound Mode	Clear Voice / Standard / Music / Cinema / Sports / Game / User	Clear Voice / Standard / Music / Cinema / Sports / Game / User	Flat / Music / Movie / Sports / User	Clear Voice / Standard / Music / Cinema / Sports / Game / User	
	Advanced Picture In Picture	No	No	No	No	
	New Temperature Sensor	Yes	Yes	No	Yes	
	New Lamp Fault Sensor	Yes	Yes	No	Yes	
	New Split Zoom(Self Video Wall, Max 5 X 5)	Yes, Supports natural mode	Yes, Supports natural mode	Yes	Yes, Supports natural mode	
SPECIAL FEATURES	Image Zoom	No	No	No	No	
	Source Selection	Digital (HDMI / DVI) / Analog (RGB) / Component / AV	Digital (HDMI / DVI) / Analog (RGB) / Component / AV	Analog (RGB) / DVI	Digital (HDMI / DVI) / Analog (RGB) / Component / AV	
	Brightness/Contrast	Yes	Yes	Yes	Yes	
	Color	Warm / Medium / Cool / User Control (R/G/B)	Warm / Medium / Cool / User Control (R/G/B)	6500K / 9300K User Control (R/G/B)	Warm / Medium / Cool / User Control (R/G/B)	
	Position	H / V	H / V	H / V	H / V	
	Tracking	Auto / Clock / Phase	Auto / Clock / Phase	Auto / Clock / Phase	Auto / Clock / Phase	
	Set-up	Language (English / French / Spanish / Italian / German / Portugues / Korean / Japanese / Chinese / Russian)	Language (English / French / Spanish / Italian / German / Portugues / Korean / Japanese / Chinese / Russian)	Language (English / French / Spanish / Italian / German / Portugues / Korean)	Language (English / French / Spanish / Italian / German / Portugues / Korean / Japanese / Chinese / Russian)	
	ISM Method	Normal / White Wash / Orbiter / Inversion / Dot wash	Normal / White Wash / Orbiter / Inversion / Dot wash	Normal / White Wash / Orbiter / Inversion / Dot wash	Normal / White Wash / Orbiter / Inversion / Dot wash	
	XD	Gamma / Film mode / Black Level / Noise Reduction	Gamma / Film mode / Black Level / Noise Reduction	Gamma / Film mode / Black Level / Noise Reduction	Gamma / Film mode / Black Level / Noise Reduction	
	Advanced	Auto Adjust, OSD Lock	Auto Adjust, OSD Lock	PC Control, OSD Lock	Auto Adjust, OSD Lock	
	Special	Yes	Yes	Yes	Yes	
	Auto Power/Source Memory	Yes	Yes	Yes	Yes	
	Key Lock	Yes	Yes	Yes	Yes	
	CABINET	Color	Black / Silver	Black / Silver	Black / Silver	Black
		Monitor Dimension(W X H X D) / Weight	38.07" x 22.04" x 4.87" / 41.24lb	38.07" x 22.04" x 4.87" / 41.24lb	38.07" x 25.0" x 10.18"	43.98" x 26.02" x 4.67" / 63.5lb



M5203C



M6503C



M2900S



M3800S

PANEL	M5203C	M6503C	M2900S	M3800S
Screen Size	52"	65"	29"	38"
Aspect Ratio	16 : 9	16 : 9	17 : 6(2845 : 1)	17 : 5(3432 : 1)
Native Resolution	1920 x 1080(WUXGA)	1920 x 1080(WUXGA)	1366 x 480(WXGA)	1366 x 480(WXGA)
Pixels(H x V x 3)	6,220,800	6,220,800	1,967,040	1,631,004
Brightness	700 cd/m ²	700 cd/m ²	450 cd/m ²	450 cd/m ²
Contrast Ratio	4,000 : 1, 5,000 : 1(DCR)	2,000 : 1, 5,000 : 1(DCR)	1,000 : 1	1,000 : 1
Viewing Angle(H x V)	178 x 178	178 x 178	178 x 178	178 x 178
Color Depth	1 Million	10.7 Million	16.7 Million	16.7 Million
Response Time	8 ms(G to G)	8 ms(G to G)	8 ms(G to G)	8 ms(G to G)
Surface Treatment	Super clear	HCLR, Hard Coating(3H)	Hard Coating(3H) Anti-glare	Hard Coating(3H) Anti-glare
Max Input Resolution	1920 x 1080 @ 60Hz	1920 x 1080 @ 60Hz (RGB, HDMI/DVI)	1280 x 1024 @ 60Hz (Analog) 1280 x 1024 @ 60Hz (Digital)	1280 x 1024 @ 60Hz (Analog) 1280 x 1024 @ 60Hz (Digital)
Recommended Resolution	1920 x 1080 @ 60Hz	1920 x 1080 @ 60Hz (RGB, HDMI/DVI)	1360 x 768 @ 60Hz (Analog/Digital)	1360 x 768 @ 60Hz (Analog/Digital)
H-Scanning Frequency	30 ~ 83kHz	30 ~ 83kHz (RGB, HDMI/DVI)	28 ~ 70kHz	28 ~ 70kHz
V-Scanning Frequency	56 ~ 85 Hz	56 ~ 75 Hz (RGB), 60Hz (HDMI/DVI)	56 ~ 63 Hz	57 ~ 63 Hz
Pixel Frequency	Max. 148.5 MHz	148.5 MHz (RGB, HDMI/DVI)	140 MHz (RGB/DVI)	140 MHz (RGB/DVI)
Sync Compatibility	Separate / Composite / Digital	Separate / Composite / Digital	Separate	Separate
Video Input	RGB, Analog / Digital	RGB, HDMI / DVI	RGB, Analog / Digital	RGB, Analog / Digital
Picture Mode		Vivid / Standard / Cinema / Sports / Game / User1 / User2	No	No
Color Temperature	Warm / Normal / Cool	Warm / Medium / Cool / User	Warm / Normal / Cool / User	Warm / Normal / Cool / User
Component Video	2(480i/p, 720p, 1080i)	1 Hi-Res		
PC Input via 15-Pin Sub "D"	1	1 / 1	1 / 1	1 / 1
Composite Video Input / Output	1 / 1	1 / 1	No	No
Audio Output	1	1	No	No
Audio Inputs	3 Plus PC Sound	2 Plus PC Sound	No	No
HDTV Formats	720p / 1080i	Component : 720p / 1080i / 1080p HDMI : 720p / 1080i / 1080p	No	No
PC Formats	Auto Scaling to WUXGA	Auto Scaling to WUXGA	Auto Scaling to XGA	Auto Scaling to XGA
HDMI / DVI with HDCP	Yes	Yes	No	No
RS-232C Input / Output	1 / 1, Female-to-Female Crossed Type	1 / 1, Female-to-Female Crossed Type	Input only	Input only
RJ-45	Yes	Yes	No	No
S-Video	1	1(S-Video has a priority but there is no input mode.)	No	No
Audio Jack Built-in(No Amp)	Yes	Yes	No	No
Discrete IR Input	Yes	Yes	Yes	Yes
Surround MAX	Yes	Yes	Yes	Yes
Auto Volume	Yes	Yes	No	No
Audio Power	20W(10W x 2)	20W(10W x 2)	No	No
Balance	Yes	Yes	No	No
Sound Mode		Clear Voice / Standard / Music / Cinema / Sports / Game / User	No	No
Advanced Picture In Picture	No	No	No	No
New Temperature Sensor	Yes	Yes	No	No
New Lamp Fault Sensor	Yes	Yes	No	No
New Split Zoom(Self Video Wall, Max 5 X 5)	Yes, Supports natural mode	Yes, Supports natural mode	No	No
Image Zoom	No	No	No	No
Source Selection	Digital (HDMI / DVI) / Analog (RGB) / Component / AV	Digital (HDMI / DVI) / Analog (RGB) / Component / AV	Digital (DVI) / Analog (RGB)	Digital (DVI) / Analog (RGB)
Brightness/Contrast	Yes	Yes	Yes	Yes
Color	Warm / Medium / Cool / User Control (R/G/B)	Warm / Medium / Cool / User Control (R/G/B)	Warm / Normal / Cool / User Control (R/G/B)	Warm / Normal / Cool / User Control (R/G/B)
Position	H / V	H / V	H / V	H / V
Tracking	Auto / Clock / Phase	Auto / Clock / Phase	Auto / Clock / Phase	Auto / Clock / Phase
Set-up	Language (English / French / Spanish / Italian / German / Portugues / Korean / Japanese / Chinese / Russian)	Language (English / French / Spanish / Italian / German / Portugues / Korean / Japanese / Chinese / Russian)	Language (English only)	Language (English only)
ISM Method	Normal / White Wash / Orbiter / Inversion / Dot wash	Normal / White Wash / Orbiter / Inversion / Dot wash		
XD				
Advanced Special	Gamma / Film mode / Black Level / Noise Reduction	Gamma / Film mode / Black Level / Noise Reduction	No	No
Auto Power/Source Memory	Yes	Yes	Yes	Yes
Key Lock	Yes	Yes	No	No
Color	Black	Black	Black	Black
Monitor Dimension(W X H X D) / Weight	50.52" x 30.17" x 4.62" / 114.64lb	60.45" x 35.73" x 5.38" / 114.64lb	30.1" x 12.1" x 3.8" / 28.7lb	38.9" x 13" x 3.6" / 35.3lb
Monitor with Optional Stand & Speaker Dimension(W X H X D)	N/A : No Stand			
Carton Dimension(W X H X D)	55.1" x 34.5" x 14.5"			42.6" x 18.3" x 7.5"
Packed Weight	125.7lb	130.78lb (full package), 114.64lb (head only)	35.3lb	41.9lb
VESA™ Standard Mount Interface (mm)	800 X 400 (AP-WX60)	600 X 400 (AP-WX60)		
Power Supply	90-264V / AC(47 ~ 63Hz)	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz
Power Type	Built-in Power	Built-in Power	Built-in Power	Built-in Power
Power Switch Type	Tact Switch	Tact Switch	Tact Switch	Tact Switch
Power Saving				
Normal	400 W	550 W	65 W	65 W
Stand-by/Suspend	1W (RGB) / 2W (HDMI/DVI)	1W (RGB) / 2W (HDMI/DVI)	2W (RGB) / 2W (DVI)	2W (RGB) / 2W (DVI)
Safety	UL / c-UL / CB scheme / TUV / NEMKO	UL / c-UL / CB scheme / TUV	TBD	TBD
EMC	FCC Class "B" / VCCI / C-tick / CE / KCC	FCC Class "B" / VCCI / C-tick / CE / KCC	TBD	TBD

Software Specification



Contents Editor and Scheduler	Layout	Lower Step Operation by Drag & Drop
		Description : Background Image, Video, Text, Web Page, RSS, Music, Date & Time
	Template	Support Predefined Layouts
	Preview	Support Predefined Templates
	GUI	Yes
Device and Network Manager	Notification Message	Enhanced (Web 2.0 Based GUI : RIA Framework)
	Video Wall	SMTP Mail Service
	Monitoring	25(ea)
	Transfer	Visual, Fault Tolerant
Content Previewer and Player	GUI	Store Play
	Image	Enhanced (Web 2.0 Based GUI: RIA Framework)
	Movie	File types : bmp, png, jpeg
	Music	File types : avi, wmv, mp4, mov, mkv, ts, tp, mpg, mpeg, flv (Codec Installation Needed)
	Misc.	File types : wav, mp3, wma
	RSS	File types : pdf, ppt, xls, doc, swf (MS Office Needed)
		RSS 1.0, RSS2.0, ATOM Supported

External Media Player H/W Specification

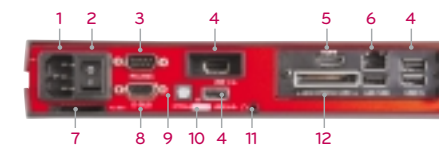


Size	250(W) x 45(D) x 220(H) without Box Package	Item	Content
Weight	1321g without Box Package	Chipset	Nvidia MCP7A-ION
Motherboard	New Designed Board 150 x 80(Supersign)	Serial Port	One External RS-232 Serial Port
CPU	Intel ATOM Processor 330, 1.6GHz(Dual Core), FSB 533MHz	CPU	Intel ATOM Processor 330, 1.6GHz(Dual Core), FSB 533MHz
Memory	DDR3 1066 1024MB SODIMM Type	USB Port	Hi-Speed USB 2.0 Port 480 Mbps Rate (x5)
Storage	SATA SSD 8GB	LAN Port	Realtek RTL8103E 10/100 Mbyte Ethernet Controller
Chipset	Nvidia MCP7A-ION	Parallel Port	Not Supported
BIOS	Phoenix, Inc. BIOS	VGA / HDMI	Nvidia MCP7A-ION Integrated Graphic Chipset
O/S	Windows Embedded Standard	4-in-1 Card	SD / MMC / Memory Stick / XD Memory Card
		PCI Express Card Slot	Supported
		Line-out	Supported
		SPDIF(Digital Audio Out)	Supported (Depend on Source Signal)

Operation Specification

Resolution	Analog	Max	1920 x 1080 @ 60Hz
		Recommend	1920 x 1080 @ 60Hz
	Digital	Max	1920 x 1080 @ 60Hz
		Recommend	1920 x 1080 @ 60Hz
Input Voltage	Voltage : 100 ~ 240Vac, 50 or 60Hz		
Sound Output Wattage	RMS Audio Output 10W+10W(R+L) with LG Monitor		
Inrush Current	50A(230Vac)		
Operating Condition		Sync (H/V)	Video
	Normal Mode	On/On	Active
	Deep Sleep Mode(Set=Off)	Off/Off	Off
Environment Condition	Operating	Temperature	5°C ~ 35°C
		Humidity	10% ~ 80%
	Storage	Temperature	-20°C ~ 60°C Non-condensing
		Humidity	5% ~ 95% Non-condensing

Composition of SuperSign _ Name of Each Part



- Power Cable Input Terminal
- Power Switch
- RS-232C Output Terminal
- USB Input Terminal
- HDMI Output Terminal
- LAN/USB Connection Terminal
- 4-in-1 Multi-card Slot
- D-SUB Output Terminal
- Optical
- Operation and program installation can be carried out using USB Memory, USB Hard-disk, USB CD-ROM, Keyboard (wired/wireless), Mouse (wired/wireless), etc.
- SuperSign Power Button
- Line-out Connection Terminal
- Mini Express Card Slot

*The specification could be changed without prior notice.