



Samsung Visual Display





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# Imagine Samsung Electronics

Samsung Electronics is a global leader in semiconductor, telecommunication, digital media and digital convergence technologies with 2004 parent company sales of US\$55.2 billion and net income of US\$10.3 billion. The company employs approximately 123,000 people in 93 offices in 48 countries.

Recognised as one of the fastest growing brands, Samsung Electronics is the world's largest producer of monitors, TVs, memory chips and TFT-LCDs. By combining the latest technology with a deep rooted understanding of people's aspirations Samsung Electronics has become a true innovator in visual display technology - and the world's leading manufacturer of mobile computers, computer memory, wireless handsets, video recorders and microwaves.

Samsung also manufactures components and products, including PCs, for some of the best known brands in the world - companies that depend on the high quality of our production to develop and grow their businesses. Through its diverse range of products, Samsung can provide a complete IT solution.

For our customers this adds up to one thing - high quality, high performance products that are easy to use and don't cost the earth. And all backed up by the peace of mind that comes from buying from one of the largest companies in the world.





# Samsung Visual Displays

## Clearly the right choice

Samsung's comprehensive SyncMaster range of monitors combine the very latest visual display technology with stylish and award winning design.

Utilising the latest TFT and Plasma technology the range includes a multitude of screen sizes and features - to ensure a perfectly specified monitor whatever the application.

Delivering stunning image quality and reliability the SyncMaster range make an ideal addition to any reception, shop floor, workplace or home.

## As individual as you

Central to the SyncMaster's appeal is a series of advanced Magic features that are designed to maximise ease of use and enhance the performance of each product to suit your needs.



### Unique network control

MagicNet software is the ultimate way to stream content across a LAN. Now a single computer can be used to control and deliver unique content to multiple displays.



### Exceptional image quality

Image quality can be perfected quickly, accurately and easily using MagicTune. Stored on the desktop this intuitive piece of software enables fine image adjustments, and colour calibration functionality not available using traditional menu systems. Perfect for photographers, designers and motion graphic artists, MagicTune provides user-friendly on-screen image control.



### Superb natural colour

This intelligent colour system enhances selective colours, such as skin tones, making it ideal for multimedia applications, surfing the web, watching DVDs or manipulating images from a digital camera.



### Optimum picture definition

MagicContrast ensures that the SyncMaster range of monitors deliver the best image. As a result, the SyncMaster range boasts a market leading contrast ratio of up to 1500:1.



### Flexible brightness control

MagicBright provides a choice of brightness settings designed to optimise different content. The brightness of the monitor can now be simply adjusted to Game, Movie, Sports, Internet or Text modes. So, whether you're working, relaxing or surfing the web, the brightness level can be adjusted accordingly to make it a much more enjoyable experience.



### Smooth image movement

As the popularity of multimedia content increases, the need to improve the quality of moving images has become paramount. MagicSpeed reduces ghosting and jagged pixel effects on such content. Delivering a panel response time as low as 4ms, MagicSpeed ensures stable viewing of DVDs, streaming video and gaming applications.



### Enhanced viewing comfort

MagicStand uses a unique dual hinge to ensure the screen is perfectly positioned to provide you with a comfortable viewing position. Now the screen can be moved vertically, swivelled and tilted to suit your own preferences.



### MagicRotation

View documents in landscape or portrait by rotating the display through 90 degrees. With Samsung's MagicRotation feature the screen automatically detects this rotation and realigns the image accordingly.



### MagicZone

Highlight selected areas of the screen using Samsung's MagicZone. Perfect for multimedia or web content, simply select the required area of your image with the user-friendly software to bring selected content to life.





## Entry Level

### SM710N and SM913V

Vibrant, detailed images in a sleek and stylish design

Providing exceptional performance at a budget price, Samsung's entry level TFT monitors make an attractive space saving addition to any work or home environment. They are the perfect upgrade from a traditional bulky CRT display.

- Ultra narrow, slim and lightweight design
- Razor-sharp images
- Easy to set up and configure with plug and play functionality
- Choice of colours and screen sizes (17" or 19") to suit your needs
- Hassle-free operation with a comprehensive 3 year warranty



## TFT

### Narrow Bezel

#### SM540N, SM740N and SM913N

Ultra-slim and sleek for the style and space conscious

Sleek and minimalist, the dynamic lines and slim frame of Samsung's monitors bring you adaptable and versatile working, while fast response times and high contrast ratios deliver staggering image quality.

- Space saving ultra-thin bezel and wall-mount capability
- Choice of screen sizes (15", 17" or 19") to suit your needs
- Fastest response time (8ms)
- Fully height adjustable stand with tilt for easy viewing (SM740N/SM913N)
- Flexibility to display information in portrait or landscape (SM740N/SM913N)



## Digital

#### SM740B, SM940B, SM740T, and SM940T

Uniting unbelievable colour and clarity with perfect digital quality

Within their design, the Samsung digital TFT monitors combine a completely flat screen with digital input, so images are crisp and completely distortion free. Dual inputs allow two sources to be viewed through one screen, while a super narrow bezel saves valuable desk space.

- Choice of analogue and digital inputs
- Superb image quality - sharp and bright
- Space saving ultra-thin bezel and wall-mount capability
- Choice of screen sizes (17" or 19") to suit your needs
- Optional panel type (TN or PVA)







## Multimedia

### SM713BM and SM913TM

With inbuilt speakers, the SM713BM and SM913TM are ideal for enjoying multimedia content at home or in the office. Featuring screen pivot and height adjustable stand these monitors can be positioned in the ideal viewing position. Combine all this with stunning image quality, a comprehensive 3 year warranty and you have the ideal display.

- Multimedia speakers
- 17"/19" screen size
- Analogue and digital input
- Fast response time and wide viewing angles
- Height adjustable stand and screen pivot





## Designer

### SM173P+ and SM193P+

Stand out in the crowd with the ultimate in sophisticated visual displays

When you need to make a good impression, but don't want to compromise on quality, Samsung's designer displays offer the best of everything - design, image and flexibility.

- High quality, vivid and clear images
- Choice of colours and screen sizes (17" or 19") to suit your needs
- Ultra flexible screen pivot and height control
- Incredible contrast ratio (1500:1)
- Unique buttonless design
- Dual Input







## Gaming

### SM730BF and SM930BF

Boasting a blistering 4ms response time the SM730BF (17") and SM930BF (19") are perfect for gaming and watching video content. MagicSpeed reduces ghosting and jagged pixel effects on such content ensuring improved image quality and user experience. All this combined with sleek design and dual inputs make this one of the most sought after screens on the market.

- 4ms response time
- 17"/19" screen sizes
- Analogue and digital inputs
- 3 year warranty







## LCD TV

### LCD TV Monitor

#### **SM710MP, SM910MP and SM931MP**

Everything you need to stay informed -  
anytime, anywhere

Now you can afford to enjoy a true multimedia experience with Samsung's entry level LCD TV Monitors. This monitor and television combination is small enough to fit in anywhere, but stylish enough to make a big impact.

- Integrated TV tuner, speakers, Teletext and remote
- Extremely clear and responsive image quality
- Stylish and practical design
- Ergonomic design and easy to use, with innovative power saving system
- Can be wall or arm mounted



### LCD TV Monitor

#### **SM730MW and SM730MP**

Enjoy a true multimedia experience  
wherever you chose

Liberate your home or workspace with these high performance televisions that can also be used as monitors and multimedia entertainment centres.

- State-of-the-art image quality and control
- Widescreen for easy viewing (SM730MW only)
- Built-in FM radio, as well as TV tuner, speakers and Teletext
- A 7-in-1 memory card reader for listening to MP3 files, viewing digital photographs and watching digital video (SM730MP only)





# Large Format

## Large Format for desktops

### SM204TS and SM214T

The professional choice for intensive users

Samsung's large format PC monitors provide an effective working environment for professionals who need that little bit more space to see the bigger picture. Offering large high resolution screens which provide multi-document viewing.

- Innovative space-saving narrow bezel design
- Choice of screen sizes (20" or 21") to suit your needs
- Pivoting display for comfortable and easy viewing
- Ideal for document or graphic intensive work eg. CAD/CAM, graphic/web designer, engineering, etc.
- Flexibility of dual inputs to accommodate either an analogue or digital signal



### SM242MP

Work, rest and play with the ultimate in large-screen monitors

Why bother changing machines when you want to do something different, when you can make life simple using the SM242MP's capability to what you want, when you want. From watching TV to listening to radio to surfing the web, this high resolution screen provides a truly flexible display.

- Innovative space-saving slim and narrow bezel design
- Large 24" screen enables multiple images and documents to be viewed
- Built-in TV tuner and high quality speakers
- Fast 16ms response time
- Can accommodate multiple sources such as DVD player, VCR or camcorder







## Digital Signage

### **SM320P and SM400P and SM460P**

**Make sure you're seen and heard - loud and clear**

On those occasions where image size is paramount these displays are ideal. With a high resolution they are perfect for applications where picture definition is critical, such as point of sale and point of information spaces. Featuring plug and play as standard, they support both data and video signals. Optional wall mount bracket and speakers are also available, making them the most flexible and powerful large screen displays on the market.

- High resolution, 8ms response times
- Luxurious narrow and slim design
- High resolution 32", 40" and 46" screens for maximum clarity
- Economical to run with low power consumption
- Allow input from various multimedia devices
- Ultra-fast 8ms response times and crisp sharp images
- Anti-glare coating to minimise reflection



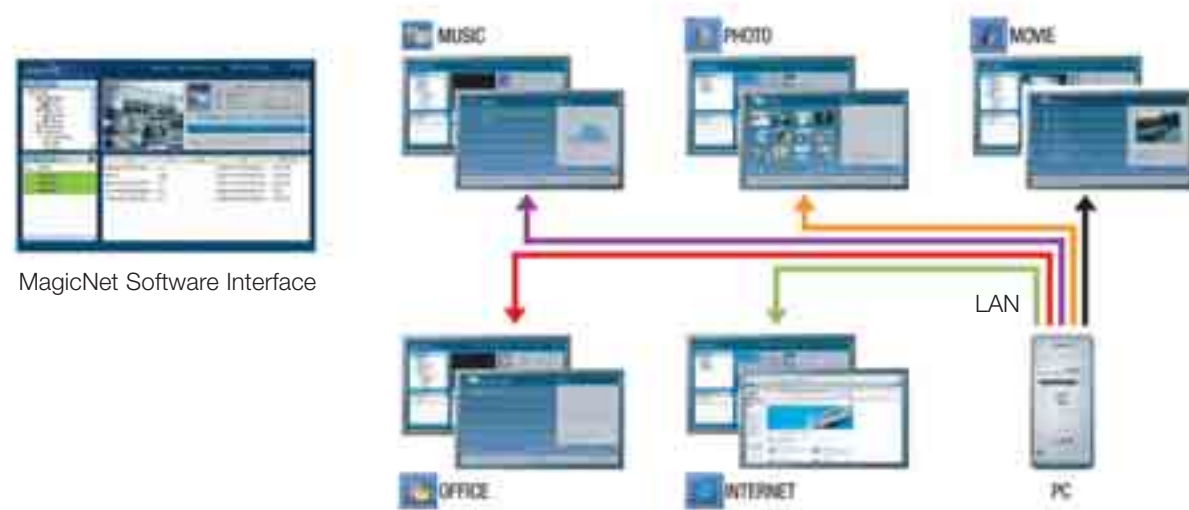


## Large Format

### Networked Digital Signage

MagicNet allows you to distribute content across the network delivering unique content to each screen from a single PC.

As such, MagicNet is perfect for businesses that want the benefits of digital signage without the need for a dedicated PC for each display. Ideally suited to airports, hotels, shopping malls, offices, corporate lobbies, theatres, museums, exhibitions, and sports venues. MagicNet transmits media files (photo, audio and movie files) and office files (Power Point, Excel, Word, HTML and PDF files) existing on a server to screens connected to a network using the server/client architecture. Several screens can be connected to a LAN with content scheduled to appear at pre-defined times. This technology is unique to Samsung displays and not only delivers considerable cost savings but also improves the delivery of information.



### SM400Pn and SM460Pn

Get the right message across - to the right people at the right time

Optimise the performance of retail, travel, office, leisure, sports and entertainment locations by delivering targeted information 24/7.

- Choice of stylish and slim screen sizes (40" or 46") to suit your needs
- Crisp, clear images with industry leading image optimisation and response times
- Run multiple screens from one PC, each showing different information/offers, using 'MagicNet'
- Combine multiple screens to show one larger image





# Plasma



## PPM42M5SSX, PPM42M5HSX, PPM50M5HSX and PPM63H3QX

Always make a big impression, whatever you want to say



Whether you are delivering a presentation, displaying customer information or teleconferencing, Samsung's plasma displays give you the quality and versatility needed to grab and sustain everyone's attention.

- Slim and stylish design means they can be placed virtually anywhere
- Choice of screen sizes (42", 50" or 63") to suit your needs
- Can be mounted either horizontally, vertically, or set up as a multi-screen video wall
- Capable of displaying a variety of inputs from any conventional broadcast source, including video, PC, etc.
- Proprietary DNle™ technology creates lifelike images with vivid colour and optimal detail
- 10,000:1 contrast ratio for stunning image quality



Specifications



|                                 | Entry level        |                 | Narrow Bezel    |                                                 |                                                 | Digital                           |                                   |                                   |                                   | Multimedia                                |                                 |
|---------------------------------|--------------------|-----------------|-----------------|-------------------------------------------------|-------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------------|---------------------------------|
|                                 | SM710N             | SM913V          | SM540N          | SM740N                                          | SM913N                                          | SM740B                            | SM740T                            | SM940B                            | SM940T                            | SM713BM                                   | SM913TM                         |
| Panel Type                      | a-si TFT/TN        | a-si TFT/TN     | a-si TFT/TN     | a-si TFT/TN                                     | a-si TFT/TN                                     | a-si TFT/TN                       | a-si TFT/PVA                      | a-si TFT/TN                       | a-si TFT/PVA                      | a-si TFT/TN                               | a-si TFT/TN                     |
| Viewable area                   | 17"                | 19"             | 15"             | 17"                                             | 19"                                             | 17"                               | 17"                               | 19"                               | 19"                               | 17"                                       | 19"                             |
| Pixel Pitch                     | 0.264              | 0.294           | 0.297           | 0.264                                           | 0.294                                           | 0.264                             | 0.264                             | 0.294                             | 0.294                             | 0.264                                     | 0.294                           |
| Brightness (cd/m²)              | 300                | 250             | 250             | 300                                             | 300                                             | 300                               | 280                               | 300                               | 250                               | 300                                       | 250                             |
| Contrast Ratio                  | 600:1              | 600:1           | 450:1           | 600:1                                           | 700:1                                           | 600:1                             | 1500:1                            | 700:1                             | 1000:1                            | 700:1                                     | 1000:1                          |
| Viewing Angle (H/V)             | 160°/160°          | 160°/150°       | 140°/120°       | 160°/160°                                       | 160°/160°                                       | 160°/160°                         | 178°/178°                         | 160°/160°                         | 178°/178°                         | 160°/160°                                 | 170°/170°                       |
| Response Time (ms)              | 12                 | 12              | 16              | 8                                               | 8                                               | 8                                 | 25                                | 8                                 | 20                                | 8                                         | 8                               |
| Interface                       | Analogue           | Analogue        | Analogue        | Analogue                                        | Analogue                                        | Analogue / Digital                | Analogue / Digital                | Analogue / Digital                | Analogue / Digital                | Analogue / Digital                        | Analogue / Digital              |
| Horizontal Frequency (kHz)      | 30-81              | 30-81           | 30-61           | 30-81                                           | 30-81                                           | 30-81                             | 30-81                             | 30-81                             | 30-81                             | 30-81                                     | 30-81                           |
| Vertical Frequency (Hz)         | 56-75              | 56-75           | 56-75           | 56-75                                           | 56-75                                           | 56-75                             | 56-75                             | 56-75                             | 56-75                             | 56-75                                     | 56-75                           |
| Maximum Resolution              | 1280x1024          | 1280x1024       | 1024x768        | 1280x1024                                       | 1280x1024                                       | 1280x1024                         | 1280x1024                         | 1280x1024                         | 1280x1024                         | 1280x1024                                 | 1280x1024                       |
| Colours Supported               | 16.2 Mil.          | 16.2 Mil.       | 16.2 Mil.       | 16.2 Mil.                                       | 16.2 Mil.                                       | 16.2 Mil.                         | 16.7 Mil.                         | 16.2 Mil.                         | 16.7 Mil.                         | 16.2 Mil.                                 | 16.7 Mil.                       |
| Input Video Signal              | Analogue RGB       | Analogue RGB    | Analogue RGB    | Analogue RGB                                    | Analogue RGB                                    | Analogue RGB,<br>DVI Digital link | Analogue RGB,<br>DVI Digital link | Analogue RGB,<br>DVI Digital link | Analogue RGB,<br>DVI Digital link | Analogue RGB,<br>DVI Digital link         | Analog RGB,<br>DVI Digital link |
| Input Connectors                | 15pin D-sub        | 15pin D-sub     | 15pin D-sub     | 15 Pin D-sub                                    | 15pin D-sub                                     | 15pin D-sub,DVI-D                 | 15pin D-sub,DVI-D                 | 15pin D-sub,DVI-D                 | 15pin D-sub,DVI-D                 | 15pin D-sub,DVI-D                         | 15pin D-sub,DVI-D               |
| Power Consumption               | 34 Watts (Max.)    | 38 Watts (Max.) | 25 Watts (Max.) | 34 Watts (Max.)                                 | 38 Watts (Max.)                                 | 34 Watts (Max.)                   | 34 Watts (Max.)                   | 38 Watts (Max.)                   | 38 Watts (Max.)                   | 38 Watts (Max.)                           | 42 Watts (Max.)                 |
| Standby Mode                    | <1 Watt            | <1 Watt         | <1 Watt         | <1 Watt                                         | <1 Watt                                         | <1 Watt                           | <1 Watt                           | <1 Watt                           | <1 Watt                           | <1 Watt                                   | <1 Watt                         |
| Energy star / NUTEK             | Yes                | Yes             | Yes             | Yes                                             | Yes                                             | Yes                               | Yes                               | Yes                               | Yes                               | 1Wx2Ch                                    | 1Wx2Ch                          |
| Multimedia Speakers             | -                  | -               | -               | -                                               | -                                               | -                                 | -                                 | -                                 | -                                 | n/a                                       | n/a                             |
| OSD-Digital Display Director™   | -                  | Yes             | Yes             | Yes                                             | Yes                                             | Yes                               | Yes                               | Yes                               | Yes                               | Yes                                       | Yes                             |
| Wall-Mount (mm)                 | VESA 100           | VESA 100        | VESA 75         | VESA 75                                         | VESA 100                                        | VESA 75                           | VESA 75                           | VESA 75                           | VESA 75                           | VESA 100                                  | VESA 100                        |
| Emissions Standard              | TCO'99             | TCO'99          | TCO'99          | TCO'99                                          | TCO'03                                          | TCO'03                            | TCO'03                            | TCO'03                            | TCO'03                            | TCO'99                                    | TCO'03                          |
| Colour                          | Silver/Black/Ivory | Silver/Black    | Silver/Black    | Silver/Black                                    | Silver/Black                                    | Silver/Black                      | Silver/Black                      | Silver/Black                      | Silver/Black                      | Silver/Black                              | Silver/Black                    |
| Mac Compatible                  | Yes                | Yes             | Yes             | Yes                                             | Yes                                             | Yes                               | Yes                               | Yes                               | Yes                               | Yes                                       | Yes                             |
| Set (WxHxD) (with stand)        | 370x386x195        | 428x430x195     | 337.5x336.8x180 | 366x379x200 (Simple Stand)<br>366x391x200 (HAS) | 416x349x215 (Simple Stand)<br>416x420x200 (HAS) | 366x391x200                       | 362x389x200                       | 407x408x200                       | 403x406x200                       | 370x386x195 (Simple)<br>370x404x200 (HAS) | 416x420x200                     |
| Set (WxHxD) (w/o stand)         | 370x316x60         | 428x357x51      | 337x264x60      | 366x301x60                                      | 416x349x60                                      | 366x301x60                        | 362x298x60                        | 407x335x65                        | 407x335x64                        | 370x342x64                                | 416x377x64                      |
| Packing (WxHxD)                 | 455x437x141        | 531x494x150     | 389x380x132     | 443x435x132 (Simple Stand)<br>497x382x235 (HAS) | 509x494x150 (Simple Stand)<br>535x443x235 (HAS) | 497x382x235                       | 497x375x235                       | 524x414x235                       | 522x412x235                       | 451x440x140 (Simple)<br>508x431x235 (HAS) | 526x469x235                     |
| Weight Net (kg)                 | 4.4                | 5.95            | 2.75            | 3.4 (Simple Stand) 4.7 (HAS)                    | 6.0 (Simple Stand) 7.2 (HAS)                    | 4.7                               | 4.6                               | 5.5                               | 5.35                              | 5.8 (HAS) / 4.6 (Simple)                  | 7.2                             |
| Weight Gross inc packaging (kg) | 6                  | 7.35            | 3.5             | 4.6 (Simple Stand) 6.6 (HAS)                    | 7.6 (Simple Stand) 9.0 (HAS)                    | 6.6                               | 6                                 | 7.7                               | 6.8                               | 8 (HAS) / 6 (Simple)                      | 9                               |
| Warranty                        | 3 Year             | 3 Year          | 3 Year          | 3 Year                                          | 3 Year                                          | 3 Year                            | 3 Year                            | 3 Year                            | 3 Year                            | 3 Year                                    | 3 Year                          |
| Stand                           | Simple             | Simple          | Simple          | Simple, Height Adjustable                       | Simple or Height Adjustable                     | Height Adjustable Stand           | Height Adjustable Stand           | Height Adjustable Stand           | Height Adjustable Stand           | Simple, Height Adjustable<br>Stand        | Height Adjustable Stand         |



Specifications



|                                 | Designer                          |                                 | Gaming                            |                                   | LCD TV Monitor                                     |                                                                                          |                                                                                          |                                                            |                                                                                               |
|---------------------------------|-----------------------------------|---------------------------------|-----------------------------------|-----------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|                                 | SM173P+                           | SM193P+                         | SM730BF                           | SM930BF                           | SM710MP                                            | SM730MP                                                                                  | SM730MW                                                                                  | SM910MP                                                    | SM931MP                                                                                       |
| Panel Type                      | a-si TFT/PVA                      | a-si TFT/PVA                    | a-si TFT/TN                       | a-si TFT/TN                       | a-si TFT/TN                                        | a-si TFT/TN                                                                              | a-si TFT/TN                                                                              | a-si TFT/TN                                                | a-si TFT/PVA                                                                                  |
| Viewable area                   | 17"                               | 19"                             | 17"                               | 19"                               | 17"                                                | 17"                                                                                      | 17"                                                                                      | 19"                                                        | 19"                                                                                           |
| Pixel Pitch                     | 0.264                             | 0.294                           | 0.264                             | 0.294                             | 0.264                                              | 0.264                                                                                    | 0.289                                                                                    | 0.294                                                      | 0.294                                                                                         |
| Brightness (cd/m²)              | 280                               | 250                             | 300                               | 300                               | 300                                                | 400                                                                                      | 450                                                                                      | 300                                                        | 250                                                                                           |
| Contrast Ratio                  | 1500:1                            | 1000:1                          | 700:1                             | 700:1                             | 600:1                                              | 450:1                                                                                    | 500:1                                                                                    | 700:1                                                      | 1000:1                                                                                        |
| Viewing Angle (H/V)             | 178°/178°                         | 178°/178°                       | 160°/160°                         | 160°/160°                         | 160°/160°                                          | 140°/140°                                                                                | 150°/120°                                                                                | 160°/160°                                                  | 178°/178°                                                                                     |
| Response Time (ms)              | 8                                 | 8                               | 4                                 | 4                                 | 12                                                 | 16                                                                                       | 25                                                                                       | 8                                                          | 8                                                                                             |
| Interface                       | Analogue/Digital                  | Analogue / Digital              | Analogue / Digital                | Analogue / Digital                | Analogue                                           | Analogue / Digital                                                                       | Analogue / Digital                                                                       | Analogue                                                   | Analogue / Digital                                                                            |
| Horizontal Frequency (kHz)      | 30-81                             | 30-81                           | 30-81                             | 30-81                             | 31-81                                              | 30-60                                                                                    | 30-61                                                                                    | 31-81                                                      | 31-81                                                                                         |
| Vertical Frequency (Hz)         | 56-75                             | 56-75                           | 56-75                             | 56-75                             | 56-75                                              | 56-75                                                                                    | 56-75                                                                                    | 56-75                                                      | 56-85                                                                                         |
| Maximum Resolution              | 1280x1024                         | 1280x1024                       | 1280x1024                         | 1280x1024                         | 1280x1024                                          | 1280x1024                                                                                | 1280x768                                                                                 | 1280x1024                                                  | 1280x1024                                                                                     |
| Colours Supported               | 16.7 Mil.                         | 16.7 Mil.                       | 16.2 Mil.                         | 16.2 Mil.                         | 16.2 Mil.                                          | 16.2 Mil.                                                                                | 16.2 Mil.                                                                                | 16.2 Mil.                                                  | 16.7 Mil.                                                                                     |
| Input Video Signal              | Analogue RGB,<br>DVI Digital link | Analog RGB,<br>DVI Digital link | Analogue RGB,<br>DVI Digital Link | Analogue RGB,<br>DVI Digital Link | Analogue RGB, CVBS, S-video,<br>TV (antenna/cable) | Analogue RGB, DVI Digital link,<br>CVBS, S-video, Component,<br>TV(antenna/cable), Scart | Analogue RGB, DVI Digital link,<br>CVBS, S-video, Component,<br>TV(antenna/cable), Scart | Analog RGB, Composite S-video<br>TV (antenna/cable), Scart | Analogue RGB, DVI Digital link,<br>Composite, S-video, Component,<br>TV(antenna/cable), Scart |
| Input Connectors                | 15pin D-sub, DVI-D                | 15pin D-sub, DVI-D              | 15 Pin D-sub, DVI-D               | 15 Pin D-sub, DVI-D               | 15pin D-sub, S-video,<br>Composite, RF             | 15pin D-sub, DVI-D CVBS<br>S-Video, SCART, Component, RF                                 | 15pin D-sub, DVI-D, Composite,<br>S-Video, SCART, Component, RX"                         | 15pin D-sub<br>CVBS, S-Video, RF, Scart                    | 15pin D-sub, DVI-D, Composite,<br>S-Video, SCART, Component, RF                               |
| Power Consumption               | 40 Watts (Max.)                   | 40 Watts (Max.)                 | 34 Watts (Max.)                   | 38 Watts (Max.)                   | 43 Watts (Max.)                                    | 54 Watts (Max.)                                                                          | 49 Watts (Max.)                                                                          | 49 Watts (Max.)                                            | 58 Watts(Max)                                                                                 |
| Standby Mode                    | <2.0 Watt                         | <2 Watt                         | <1 Watt                           | <1 Watt                           | <2W                                                | <2 Watts                                                                                 | <2 Watts                                                                                 | <2 Watts                                                   | <2W                                                                                           |
| Energy star / NUTEK             | Yes                               | Yes                             | Yes                               | Yes                               | Yes                                                | Yes                                                                                      | Yes                                                                                      | Yes                                                        | Yes                                                                                           |
| Multimedia Speakers             | -                                 | -                               | -                                 | -                                 | 1.5W x 2ch.                                        | 5W x 2ch.                                                                                | 5Wx 2ch.                                                                                 | 3W x 2ch.                                                  | 5Wx 2ch.                                                                                      |
| OSD-Digital Display Director™   | Yes                               | Yes                             | Yes                               | Yes                               | Yes                                                | Yes                                                                                      | Yes                                                                                      | Yes                                                        | Yes                                                                                           |
| Wall-Mount (mm)                 | VESA 75                           | VESA 75                         | VESA 75                           | VESA 75                           | VESA 75                                            | VESA 75                                                                                  | VESA 75                                                                                  | VESA 100                                                   | VESA 100                                                                                      |
| Emissions Standard              | TCO'03 (Silver) TCO'99 (Black)    | TCO'03 (Silver) TCO'99 (Black)  | TCO'99                            | TCO'99                            | TCO'03                                             | TCO'03                                                                                   | TCO'99                                                                                   | TCO'99                                                     | TCO'03                                                                                        |
| Colour                          | Silver/Black                      | Silver/Black                    | Black                             | Black                             | Silver                                             | Silver                                                                                   | Silver                                                                                   | Silver                                                     | Silver                                                                                        |
| Mac Compatible                  | Yes                               | Yes                             | Yes                               | Yes                               | Yes                                                | Yes                                                                                      | Yes                                                                                      | Yes                                                        | Yes                                                                                           |
| Set (WxHxD) (with stand)        | 382x395x236                       | 423x412x236                     | 382x386x175                       | 422x427x200                       | 389x402x206                                        | 496x378x170                                                                              | 526x341x157                                                                              | 430x434x227                                                | 433x436x198                                                                                   |
| Set (WxHxD) (w/o stand)         | 382x316x40                        | 423x351x44                      | 382x322x56                        | 422x353x59                        | 389x386x63                                         | 496x336x62                                                                               | 526x292x60                                                                               | 430x420x63                                                 | 433x419x58                                                                                    |
| Packing (WxHxD)                 | 475x410x176                       | 524x453x183                     | 460x452x134                       | 500x492x152                       | 482x542x148                                        | 589x451x271                                                                              | 617x414x212                                                                              | 527x582x162                                                | 532x553x165                                                                                   |
| Weight Net (kg)                 | 6                                 | 7.1                             | 3.6                               | 5.1                               | 5.35                                               | 5.7                                                                                      | 5.4                                                                                      | 5.8                                                        | 5.9                                                                                           |
| Weight Gross inc packaging (kg) | 8                                 | 9.4                             | 5                                 | 7                                 | 6.95                                               | 7.9                                                                                      | 7.2                                                                                      | 7.9                                                        | 8.9                                                                                           |
| Warranty                        | 3 Year                            | 3 Year                          | 3 Year                            | 3 Year                            | 3 Year                                             | 3 Year                                                                                   | 3 Year                                                                                   | 3 Year                                                     | 3 Year                                                                                        |
| Stand                           | Magic Stand                       | Magic Stand                     | Simple                            | Simple                            | Simple                                             | Simple                                                                                   | Simple                                                                                   | Simple                                                     | Foldable Stand                                                                                |

Specifications

|                                 | Large Format - Desktop                               |                                                          |
|---------------------------------|------------------------------------------------------|----------------------------------------------------------|
|                                 | SM204Ts                                              | SM214T                                                   |
| Panel Type                      | a-si TFT/PVA                                         | a-si TFT/PVA                                             |
| Viewable area                   | 20"                                                  | 21"                                                      |
| Pixel Pitch                     | 0.255                                                | 0.27                                                     |
| Brightness (cd/m²)              | 250                                                  | 300                                                      |
| Contrast Ratio                  | 700:1                                                | 900:1                                                    |
| Viewing Angle (H/V)             | 170°/170°                                            | 178°/178°                                                |
| Response Time (ms)              | 16                                                   | 8                                                        |
| Interface                       | Analogue / Digital                                   | Analogue / Digital                                       |
| Horizontal Frequency (kHz)      | 30 ~ 81Hz                                            | 30 ~ 81kHz                                               |
| Vertical Frequency (Hz)         | 56 ~ 75Hz                                            | 56 ~ 75Hz                                                |
| Maximum Resolution              | 1600x1200                                            | 1600x1200                                                |
| Colours Supported               | 16.7 Mil.                                            | 16.7 Mil.                                                |
| Input Video Signal              | Analogue RGB, DVI Digital link<br>Composite, S-Video | Analogue RGB,<br>DVI Digital link, Composite,<br>S-Video |
| Input Connectors                | 15pin D-sub,DVI-D,<br>CVBS, S-Video                  | 15pin D-sub,DVI-D<br>CVBS, S-Video                       |
| Power Consumption               | 63 Watt (Max)                                        | 65 Watt (Max)                                            |
| Standby Mode                    | <2 Watt                                              | <2 Watt                                                  |
| Energy star / NUTEK             | Yes                                                  | Yes                                                      |
| Multimedia Speakers             | -                                                    | -                                                        |
| OSD-Digital Display Director™   | Yes                                                  | Yes                                                      |
| Wall-Mount (mm)                 | VESA 100                                             | VESA 100                                                 |
| Emissions Standard              | TCO'03                                               | TCO'03                                                   |
| Colour                          | Silver/Black                                         | Silver/Black                                             |
| Mac Compatible                  | Yes                                                  | Yes                                                      |
| Set (WxHxD) (with stand)        | 445x457x228                                          | 469x466x228                                              |
| Set (WxHxD) (w/o stand)         | 445x345x76                                           | 469x363x79                                               |
| Packing (WxHxD)                 | 432x580x275                                          | 456x583x288                                              |
| Weight Net (kg)                 | 8                                                    | 8.8                                                      |
| Weight Gross inc packaging (kg) | 11.1                                                 | 11.2                                                     |
| Warranty                        | 3 Year                                               | 3 Year                                                   |
| Stand                           | Height Adjustable                                    | Height Adjustable                                        |

| Large Format - Digital Signage                                             |                                                                         |                                                                           |                                                                         |                                                                           |  |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------|--|
| SM320P                                                                     | SM400P                                                                  | SM460P                                                                    | SM400Pn                                                                 | SM460Pn                                                                   |  |
| a-si TFT/PVA                                                               | a-si TFT/PVA                                                            | a-si TFT/PVA                                                              | a-si TFT/PVA                                                            | a-si TFT/PVA                                                              |  |
| 32"                                                                        | 40"                                                                     | 46"                                                                       | 40"                                                                     | 46"                                                                       |  |
| 0.51                                                                       | 0.648                                                                   | 0.248                                                                     | 0.698                                                                   | 0.248                                                                     |  |
| 450                                                                        | 500                                                                     | 500                                                                       | 500                                                                     | 500                                                                       |  |
| 1000:1                                                                     | 800:1                                                                   | 800:1                                                                     | 800:1                                                                   | 800:1                                                                     |  |
| 170°/170°                                                                  | 170°/170°                                                               | 170°/170°                                                                 | 170°/170°                                                               | 170°/170°                                                                 |  |
| 8                                                                          | 8                                                                       | 8                                                                         | 8                                                                       | 8                                                                         |  |
| Analogue / Digital                                                         | Analogue / Digital                                                      | Analogue / Digital                                                        | Analogue / Digital                                                      | Analogue / Digital                                                        |  |
| 30-70                                                                      | 30-70                                                                   | 30-70                                                                     | 30-70                                                                   | 30-70                                                                     |  |
| 50-85                                                                      | 50-85                                                                   | 50-85                                                                     | 50-85                                                                   | 50-85                                                                     |  |
| 1366x768                                                                   | 1366x768                                                                | 1366x768                                                                  | 1366x768                                                                | 1366x768                                                                  |  |
| 16.7 Mil.                                                                  | 16.7 Mil.                                                               | 16.7 Mil.                                                                 | 16.7 Mil.                                                               | 16.7 Mil.                                                                 |  |
| Analogue RGB, BNC,<br>DVI Digital link, CVBS, S-video,<br>Component Video, | Analogue RGB, BNC<br>DVI Digital link, CVBS<br>S-video, Component Video | Analogue RGB, BNC<br>DVI Digital link, CVBS<br>S-video, Component Video   | Analogue RGB, BNC<br>DVI Digital link, CVBS<br>S-video, Component Video | Analogue RGB, BNC<br>DVI Digital link, CVBS<br>S-video, Component Video   |  |
| D-Sub, DVI-D, S-video, BNC (analogue), BNC<br>(component x 2)              | D-Sub, DVI-D, S-video, BNC (analogue),<br>BNC (component x 2)           | D-Sub, DVI-D, S-video, BNC (analogue),<br>BNC(component*2), RJ45, USB x 2 | D-Sub, DVI-D, S-video, BNC (analogue),<br>BNC (component x 2)           | D-Sub, DVI-D, S-video, BNC (analogue),<br>BNC(component*2), RJ45, USB x 2 |  |
| 170 Watts (Max.)                                                           | 280 Watts (Max.)                                                        | 330 Watts (Max.)                                                          | 280 Watts (Max.)                                                        | 330 Watts (Max.)                                                          |  |
| <5 Watts                                                                   | <5 Watts                                                                | <5 Watts                                                                  | <5 Watts                                                                | <5 Watts                                                                  |  |
| Yes                                                                        | Yes                                                                     | Yes                                                                       | Yes                                                                     | Yes                                                                       |  |
| Optional external speaker (10watts x 2ch)                                  | Optional external speaker (10watts x 2ch)                               | Optional external speaker (10watts x 2ch)                                 | Optional external speaker (10watts x 2ch)                               | Optional external speaker (10watts x 2ch)                                 |  |
| Yes                                                                        | Yes                                                                     | Yes                                                                       | Yes                                                                     | Yes                                                                       |  |
| Mounting Kit Available (option)                                            | Mounting Kit Available (option)                                         | Mounting Kit Available (option)                                           | Mounting Kit Available (option)                                         | Mounting Kit Available (option)                                           |  |
| -                                                                          | -                                                                       | -                                                                         | -                                                                       | -                                                                         |  |
| Grey                                                                       | Grey                                                                    | Grey                                                                      | Grey                                                                    | Grey                                                                      |  |
| Yes                                                                        | Yes                                                                     | Yes                                                                       | Yes                                                                     | Yes                                                                       |  |
| 780x529x223                                                                | 971x582x118                                                             | 1102x715x293                                                              | 97x582x118                                                              | 1102x715x293                                                              |  |
| 780x482x107                                                                | 971x629x223                                                             | 1102x658x126                                                              | 971x629x223                                                             | 1102x658x126                                                              |  |
| 898x600x262                                                                | 1108x280x700                                                            | 1248x304x826                                                              | 1108x230x700                                                            | 1248x304x826                                                              |  |
| 17                                                                         | 23                                                                      | 28                                                                        | 23                                                                      | 28                                                                        |  |
| 20                                                                         | 28                                                                      | 33                                                                        | 28                                                                      | 33                                                                        |  |
| 3 Year                                                                     | 3 Year                                                                  | 3 Year                                                                    | 3 Year                                                                  | 3 Year                                                                    |  |
| Simple                                                                     | Simple                                                                  | Simple                                                                    | Simple                                                                  | Simple                                                                    |  |



|                      |                      |
|----------------------|----------------------|
| Display              | Diagonal Size        |
|                      | Aspect Ratio         |
|                      | Resolution           |
|                      | Pixel Pitch          |
|                      | Brightness           |
|                      | Contrast             |
|                      | Grey Scale           |
|                      | Number of Colours    |
| Power                | Power Supply         |
|                      | Power Consumption    |
| Dimension/Weight     | Set (WxHxD)          |
|                      | Weight (Set)         |
|                      | Cabinet Colour       |
| Pictures             | Scan System          |
|                      | Colour system        |
|                      | Digital Comb Filter  |
|                      | Colour Tone          |
|                      | Picture Mode         |
|                      | Screen Size Mode     |
|                      | OSD                  |
|                      | VESA Mounting Hole   |
| Input Terminal       | Composite Video      |
|                      | S-Video              |
|                      | Component1           |
|                      | RGB 1 (PC 1)         |
|                      | RGB 2 (PC 2)         |
|                      | DVI                  |
|                      | RS-232C              |
|                      | Audio                |
| Output Terminal      | Composite Video      |
|                      | RGB 1 (PC 1)         |
|                      | RS-232C              |
|                      | Audio                |
|                      | Speaker              |
| Operation Condition  | Temperature          |
|                      | Humidity             |
|                      | Altitude             |
|                      | Supplied Accessories |
| Optional Accessories | Wall Mount           |
|                      | Stand                |
|                      | Speaker              |
|                      | Warranty             |

| Plasma                                                                                                            |                                                                                                                   |                                                                                                                   |                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| PPM42M5SSX                                                                                                        | PPM42M5HSX                                                                                                        | PPM50M5HSX                                                                                                        | PPM63H3QX                                                                                                                         |
| 42"                                                                                                               | 42"                                                                                                               | 50"                                                                                                               | 63"                                                                                                                               |
| 16:9                                                                                                              | 16:9                                                                                                              | 16:9                                                                                                              | 16:9                                                                                                                              |
| 852x480                                                                                                           | 1024x768                                                                                                          | 1366x768                                                                                                          | 1366x768                                                                                                                          |
| 1.095x1.110                                                                                                       | 0.912x0.693                                                                                                       | 0.81x0.81                                                                                                         | 1.02x1.02                                                                                                                         |
| 1,500cd/m²                                                                                                        | 1,300cd/m2                                                                                                        | 1,300cd/m2                                                                                                        | 1,000cd/m2                                                                                                                        |
| 10,000:1                                                                                                          | 10,000:1                                                                                                          | 10,000:1                                                                                                          | 3000:1                                                                                                                            |
| 12Bit                                                                                                             | 12Bit                                                                                                             | 12Bit                                                                                                             | 8 bit                                                                                                                             |
| 68.7Billion                                                                                                       | 68.7Billion                                                                                                       | 68.7Billion                                                                                                       | 16.7Mil                                                                                                                           |
| 100 ~ 250V (50/60Hz)                                                                                              | 100 ~ 250V (50/60Hz)                                                                                              | 100 ~ 250V (50/60Hz)                                                                                              | 100 ~ 250V (50/60Hz)                                                                                                              |
| 290W                                                                                                              | 370W                                                                                                              | 390W                                                                                                              | 630W                                                                                                                              |
| 1027 x 630.5 x 96.5 mm<br>40.43 x 24.82 x 3.76 inches                                                             | 1027 x 630.5 x 96.5 mm<br>40.43 x 24.82 x 3.76 inches                                                             | 1204.6 x 724.1 x 97 mm<br>47.43 x 28.5 x 3.82 inches                                                              | 1503.4 x 893.8 x 89mm<br>59.19 x 35.19 x 3.5 inches                                                                               |
| 34.5 Kg (76.05 Lbs)                                                                                               | 34.5 Kg (76.05 Lbs)                                                                                               | 46.5 Kg (102.5 Lbs)                                                                                               | 69Kg (152.1 Lbs)                                                                                                                  |
| Grey                                                                                                              | Grey                                                                                                              | Grey                                                                                                              | Grey                                                                                                                              |
| Progressive Scan                                                                                                  | Progressive Scan                                                                                                  | Progressive Scan                                                                                                  | Progressive Scan                                                                                                                  |
| Multi (PAL/SECAM/NTSC3.58/NTSC4.43)                                                                               | Multi (PAL/SECAM/NTSC3.58/NTSC4.43)                                                                               | Multi (PAL/SECAM/NTSC3.58/NTSC4.43)                                                                               | Multi(PAL / SECAM / NTSC3.58 / NTSC4.43)                                                                                          |
| 3D Comb Filter                                                                                                    | 3D Comb Filter                                                                                                    | 3D Comb Filter                                                                                                    | 4H Comb filter                                                                                                                    |
| Normal/Cool1/Cool2/Warm1/Warm2<br>(Custom/Cool/Normal/Warm :RGB(PC)<br>Mode ; Cool/Normal/Warm : DVI Mode)        | Normal/Cool1/Cool2/Warm1/Warm2<br>(Custom/Cool/Normal/Warm :RGB(PC)<br>Mode ; Cool/Normal/Warm : DVI Mode)        | Normal/Cool1/Cool2/Warm1/Warm2<br>(Custom/Cool/Normal/Warm :RGB(PC)<br>Mode ; Cool/Normal/Warm : DVI Mode)        | Normal/Cool1/Cool2/Warm1/Warm2                                                                                                    |
| Dynamics,Standard,Movie, Custom (RGB<br>(PC)/DVI : Entertain/Internet/Text/Custom)                                | Dynamics,Standard,Movie, Custom (RGB<br>(PC)/DVI : Entertain/Internet/Text/Custom)                                | Dynamics,Standard,Movie, Custom (RGB<br>(PC)/DVI : Entertain/Internet/Text/Custom)                                | Custom, Dynamics, Standard, Movie<br>( PC: Custom,high, middle, low)                                                              |
| 16:9, zoom1, zoom2, 14:9, 4:3, Panorama                                                                           | 16:9, zoom1, zoom2, 14:9, 4:3, Panorama                                                                           | 16:9, zoom1, zoom2, 14:9, 4:3, Panorama                                                                           | Wide, zoom1, zoom2, 14.9, Normal                                                                                                  |
| English, French, German, Italian,<br>Spanish, Portuguese, Chinese,<br>Korean, Russian, Swedish                    | English, French, German, Italian,<br>Spanish, Portuguese, Chinese,<br>Korean, Russian, Swedish                    | English, French, German, Italian,<br>Spanish, Portuguese, Chinese,<br>Korean, Russian, Swedish                    | English, German, French, Italian,<br>Spanish, Portuguese                                                                          |
| VESA Standard Mounting (600mm x 400mm)                                                                            | VESA Standard Mounting (600mm x 400mm)                                                                            | VESA Standard Mounting (600mm x 400mm)                                                                            | Optional Bracket                                                                                                                  |
| 1 ( RCA )                                                                                                         | 1 ( RCA )                                                                                                         | 1 ( RCA )                                                                                                         | 1 (RCA)                                                                                                                           |
| 1 ( S-Video )                                                                                                     | 1 ( S-Video )                                                                                                     | 1 ( S-Video )                                                                                                     | 1 (S-Video)                                                                                                                       |
| 1 ( RCA [ Y/Pb/Pr ] )                                                                                             | 1 ( RCA [ Y/Pb/Pr ] )                                                                                             | 1 ( RCA [ Y/Pb/Pr ] )                                                                                             | 1 ( RCA [ Y/Pb/Pr ] )                                                                                                             |
| 1 ( D-sub 15pin )                                                                                                 | 1 ( D-sub 15pin )                                                                                                 | 1 ( D-sub 15pin )                                                                                                 | 1 ( BNC [ Y/Pb/Pr ] )                                                                                                             |
| 1 ( BNC [ RGBHV ] )                                                                                               | 1 ( BNC [ RGBHV ] )                                                                                               | 1 ( BNC [ RGBHV ] )                                                                                               | 1 ( D-sub 15pin)                                                                                                                  |
| 1 ( 29 pin DVI )                                                                                                  | 1 ( 29 pin DVI )                                                                                                  | 1 ( 29 pin DVI )                                                                                                  | 1 (29pin DVI)                                                                                                                     |
| 1 ( D-sub 9pin )                                                                                                  | 1 ( D-sub 9pin )                                                                                                  | 1 ( D-sub 9pin )                                                                                                  | 1 (mini jack)                                                                                                                     |
| 2 mini jack (for DVI & D-sub 15Pin),<br>2 RCA(L/R) (for Component & Composite)                                    | 2 mini jack (for DVI & D-sub 15Pin),<br>2 RCA(L/R) (for Component & Composite)                                    | 2 mini jack (for DVI & D-sub 15Pin),<br>2 RCA(L/R) (for Component & Composite)                                    | 1 x mini jack, 2 x RCA                                                                                                            |
| 1 ( RCA )                                                                                                         | 1 ( RCA )                                                                                                         | 1 ( RCA )                                                                                                         | -                                                                                                                                 |
| 1 ( D-sub 15pin )                                                                                                 | 1 ( D-sub 15pin )                                                                                                 | 1 ( D-sub 15pin )                                                                                                 | 1 ( D-sub 15pin )                                                                                                                 |
| 1 ( D-sub 9pin )                                                                                                  | 1 ( D-sub 9pin )                                                                                                  | 1 ( D-sub 9pin )                                                                                                  | 1 ( D-sub 9pin )                                                                                                                  |
| 1 RCA (L/R) (for Composite Out)                                                                                   | 1 RCA (L/R) (for Composite Out)                                                                                   | 1 RCA (L/R) (for Composite Out)                                                                                   | -                                                                                                                                 |
| External Speaker Jack (L/R), 10W x 2                                                                              | External Speaker Jack (L/R), 10W x 2                                                                              | External Speaker Jack (L/R), 10W x 2                                                                              | External Speaker (L/R), 10W x 2                                                                                                   |
| 0 ~ 40 °C                                                                                                         | 0 ~ 40 °C                                                                                                         | 0 ~ 40 °C                                                                                                         | 0 ~ 40 oC                                                                                                                         |
| 20 ~ 80 %                                                                                                         | 20 ~ 80 %                                                                                                         | 20 ~ 80 %                                                                                                         | 20 ~ 80 %                                                                                                                         |
| 700 hps (0m) ~ 1,114 hps (3,000m)                                                                                 | 700 hps (0m) ~ 1,114 hps (3,000m)                                                                                 | 700 hps (0m) ~ 1,114 hps (3,000m)                                                                                 | 700 hps (0m) ~ 1,114 hps (3,000m)                                                                                                 |
| Tabletop Stand 2pcs, Remote control<br>(Batteries included), Power Cord<br>MDC S/W, PC Cable, Owner's Instruction | Tabletop Stand 2pcs, Remote control<br>(Batteries included), Power Cord<br>MDC S/W, PC Cable, Owner's Instruction | Tabletop Stand 2pcs, Remote control<br>(Batteries included), Power Cord<br>MDC S/W, PC Cable, Owner's Instruction | Remote control(Batteries included), Power<br>Cord, Speaker wires, MDC S/W, Pivot S/W, PC<br>Cable, MDC Cable, Owner's Instruction |
| Yes                                                                                                               | Yes                                                                                                               | Yes                                                                                                               | Yes                                                                                                                               |
| -                                                                                                                 | -                                                                                                                 | -                                                                                                                 | Yes                                                                                                                               |
| Yes                                                                                                               | Yes                                                                                                               | Yes                                                                                                               | Yes                                                                                                                               |
| 2 Years                                                                                                           | 2 Years                                                                                                           | 2 Years                                                                                                           | 2 Years                                                                                                                           |





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In line with Samsung's commitment to continuous improvement this guide is subject to  
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