High Resolution Public Display

50" Wide WXGA Plasma Monitor

State-of-the-art plasma monitor designed for boardroom and indoor venue display applications. The high-class scaler, advanced digital video processing and latest plasma technology guarantee optimal display of (HD) video, text or graphics.

Operational flexibility for different applications
- Multiple PC input formats up to WXGA
- Multiple video input formats up to SXGA and HDTV compatible
- Monitor is network controllable for remote management
- Quiet and reliable fanless operation

Lower total cost of ownership
- DVI cable included to provide highest picture quality
- Long expected panel lifetime of over 60,000 hours
- Advanced anti burn-in functions to prevent ghost images

Optimised for public viewing
- 3D combfilter separates colours for a razor-sharp image
- HD ready for the highest quality display of HDTV signals
- Motion compensated deinterlacing
- High Definition plasma WXGA display, 1366 x 768p
- 3:2 Pulldown eliminates artefacts when watching movies

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Highlights

HD Ready display

Enjoy the exceptional picture quality of a High Definition TV signal and be fully prepared for HD sources like HDTV broadcast, Blu-ray DVD or HDVD. HD ready is a protected label that offers picture quality beyond that of progressive scan. It conforms to strict standards laid out by EICTA to offer an HD screen that displays the benefits of resolution and picture quality of a High Definition TV signal. It has a universal connection for both analogue YPbPr and uncompressed Digital connection of DVI or HDMI, supporting HDCP. It can display 720p and 1080i signals at 50 and 60 Hz.

Plasma WXGA panel, 1366 x 768p

This state-of-the-art plasma screen technology gives you widescreen HD resolution of up to 1366 x 768p pixels. It produces brilliant flicker-free progressive scan pictures in with optimum brightness and superb colours. This vibrant and sharp image will provide you with an enhanced viewing experience.

Motion comp. deinterlacing

Motion compensated deinterlacing employs a smart deinterlacing algorithm that uses the images in a digital memory to measure and estimate the motion speed and direction of objects to create new fields with corrected motion positions so video content has perfectly smooth, judder-free and razor-sharp moving images.

3:2 Pulldown

3:2 Pulldown totally eliminates the unwanted artefacts that distort your picture viewing when watching movies. With these artefacts gone, you will enjoy the movie the way it is meant to be.

3D Combfilter

The 3D combfilter separates brightness and colour signals better in 3D domain to eliminate cross-colour, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital combfilter performs field-by-field comparisons of the television image to accurately separate the colour from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

Network controllability: RS232

Network controllability allows user to control and adjust monitors remotely through RS232 protocol.

Multiple PC input formats

The product supports PC compatibility for VGA, SVGA, XGA and WXGA. A universal public display solution requires versatile PC input support.

Multiple video input formats

In common use video content is often supplied in various formats in different resolutions and aspect ratios. Thus the content needs to be reformatted for optimal display on given screen resolution. A high-class scaler guarantees optimal reformatting of any video format up to SXGA.

Fanless operation

Fanless operation is quiet and doesn't collect dust inside the monitor, thus improving product reliability.

Long expected panel lifetime

In public display applications 24/7 operation is often required. Even after 60,000 hours of operation the brightness level of the display will be at least 50% of the initial value.

Advanced anti burn-in function

A protective function called "pixel shift" has been implemented. When the protection mechanism is activated the screen image automatically shifts its pixel positions to prevent "image ghosting". Secondly, burn-in recovery has been implemented. Depending on the model, ghost images are removed by applying a full white signal on the whole panel for a certain amount of time or by reversing the image to achieve the same result.

Free DVI cable

A DVI cable is standard included with the display to provide the highest possible picture quality.

Lead Free

Portrait Mounting

Specifications

Connectivity
- Audio output: Speaker output 2 x 6.3 mm jack
- PC: DVI-D with HDCP, RS232 D-Sub9, VGA-in D-Sub 15HD
- AV input: Component (YPbPr) x 1, Audio (L/R) for YPbPr x 1, Composite (CVBS) x 1, Audio (L/R) x 1, S-video x 1, Scart 2 x
- AV output: Composite (CVBS) x 1, Audio (L/R) x 1
- Audio input for PC: Audio Left/Right (RCA 2 x)
- Audio input for DVI: Audio Left/Right (RCA 2 x)

Picture/Display
- Panel Size: 50"/127cm
- Aspect ratio: 16:9
- Panel resolution: 1366 x 768p
- Pixel pitch: 0.81 x 0.81 mm
- Brightness: 1000 cd/m²
- Display colours: 16.7 million colours
- Contrast ratio (typical): 8000:1
- Viewing angle (horizontal): >160 degree
- Viewing angle (vertical): >160 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan
- Horizontal Scanning Frequency: 30–80 kHz
- Vertical Scanning Frequency: 50–85 Hz
- Effective viewing area: 1107 x 622mm
- Display screen type: WXGA Plasma panel

Convenience
- Placement: Portrait, Landscape
- Built-in Audio: Built-in amplifier and 10 W RMS x 2 stereo speakers
- Screen-saving functions: Pixel shift
- User convenience: On-screen Display
- Monitor Controls: Left/Right, Menu (OK), Power On/Off, Source Select, Up/Down, Volume control
- Regulatory approvals: CE Mark, RoHS
- OSD Languages: English, French, German, Italian, Spanish, Dutch
- Network controllable: RS232
- Teletext: 1000-page Smart Text

Power
- Power supply: 100-240 VAC, 50/60 Hz
- Consumption (On mode): 390W (typical)
- Sleep Mode: 5W Max.

Supported Display Resolution
- Computer formats: 640 x 480, 60, 72, 75 Hz, 800 x 600, 60, 72, 75 Hz, 848 x 480, 60 Hz, 1024 x 768, 60, 70, 75 Hz, 1280 x 1024, 60 Hz, 1366 x 768, 60 Hz
- Video formats: 480i, 60 Hz, 480p, 60 Hz, 576p, 50 Hz, 576i, 50 Hz, 720p, 50, 60 Hz, 1080i, 50, 60 Hz
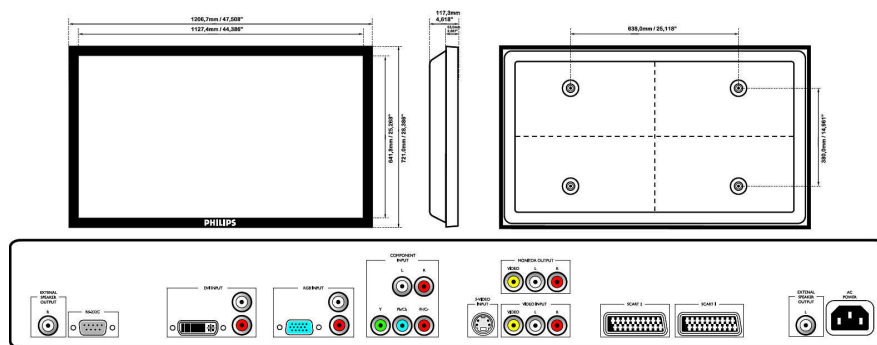
Dimensions
- Lifetime to 50% brightness: 60000 hour(s)
- Product weight: 45 kg
- Set Width (inch): 47.441 inch
- Temperature range (operation): +32°F to +104°F
- Set Height (inch): 28.386 inch
- Temperature range (storage): -4°F to 140°F
- Set Depth (inch): 4.5 inch
- Product weight (lb): 99.208 lb
- Relative humidity: 20% - 80%
- Depth (without base): 114.3 mm
- Width (without base): 1205 mm
- Height (without base): 721 mm
- Temperature (operation): 0°C to +40°C
- Temperature (storage): -20°C to +60°C

Accessories
- Included accessories: Tabletop stand, DVI-D cable, VGA cable, Remote Control, Battery, AC Power Cord
- User Manual: English, German, French, Spanish, Italian
- Optional accessories: Ceiling mount, Fixed wall mount, Flexible wall mount
- User Guide on CD-ROM: (RS232 protocol included)

Miscellaneous
- Bezel: Metallic Anthracite

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