

Picture perfect ideas on display

This large WXGA is a real eye catcher for indoor public areas thanks to its size and outstanding video performance. Razor sharp display of graphics and pc-presentations make this monitor also a welcome guest in boardrooms.

Convenient Adaptability

- *Network control simplifies remote management*
- *Multiple PC input formats up to WXGA*
- *Extensive analog and digital connectivity*
- *Built-in audio for quality sound performance*
- *Quiet and reliable fanless operation*
- *Cost effective way for multiple screens to share same signal*
- *Portrait mounting version also available*

Outstanding Front of Screen Performance

- *3D comb filter separates colors producing razor-sharp images*
- *Displays HDTV content without requiring HDTV decoder*
- *3:2 Pulldown eliminates artifacts that distort movie images*
- *High brightness and contrast ratio looks great anywhere*
- *Adapts to video source for sharp and stable images*
- *PIP allows watching a second source simultaneously*

Lower Cost of Ownership

- *Long expected panel lifetime of over 80,000 hours*



PHILIPS

Commercial Specifications

Picture/Display

• Panel Size	42" / 106.7 cm
• Aspect ratio	16:9
• Panel resolution	1024 x 1024
• Pixel pitch	0.9 x 0.51 mm
• Brightness	1100 cd/m ²
• Contrast ratio	1000:1
• Display colors	16.7 Million colors
• Viewing angle	160 (H) / 160 (V)
• Horizontal Scanning Frequency	15-91 kHz
• Vertical Scanning Frequency	50 - 85 Hz
• Picture enhancement	3D Combfilter, 3/2-2/2 motion pull down, Motion Adaptive de-interlacing, Picture in Picture

Supported Display Resolution

Resolution	Refresh Rate
• Computer formats	
1280 x 1024	60, 75, 85Hz
1280 x 960	60, 85Hz ,
800 x 600	56, 60, 72, 75, 85Hz
720 x 400	70 Hz
1024 x 768	60, 70, 75, 85Hz
640 x 480	60, 70, 75, 85Hz
640 x 480	60 Hz
• Video formats	
480p	60 Hz
576p	50 Hz
1080i	50, 60 Hz
576i	50 Hz
480i	60 Hz
720p	50, 60 Hz
• WVGA 852 x 480	60 Hz
• VGA 640 x 350	70 Hz
• MAC 1152 x 870	75 Hz
• MAC 640 x 480	75 Hz

Connectivity

• PC	DVI-D x1, RS232 D-Sub9 VGA-in D-Sub 15HD, VGA-Out D-Sub 15HD,
• AV input	Component (YPbPr) x2 S-video x1, Composite (CVBS) x1, Audio (L/R) for YPbPr x2
• Audio Cinch Out	Analog Audio Output L/R
• Audio input for data	Audio Left/Right (RCAx2)
• Audio input for PC	Audio Left/Right (RCAx2)
• Audio Output	Subwoofer Out, Stereo
• Audio (3.5 mm jack) x1	

Convenience

• Picture in Picture	Double window, Picture in Picture All Inputs, yes
• RS232 controlability	yes
• Convenience Enhancements	On-screen Display
• OSD Languages	English, French, Spanish
• Monitor Controls	Power On/Off, Left/Right, Up/Down Volume control, Source Select, Menu (OK)
• Screen Saving Functions	Full white, pixel shift
• Built-in Audio	Built-in amplifier and 5 Watts RMSx2 stereo speaker
• SRS sound processing	yes
• Regulatory Approvals	FCC-B, UL, CSA, CE Mark,

Accessories

- Included Accessories: AC Power Cord, Remote Control, Battery, Table Top Stand, VGA cable User Guide on CD-ROM (English)
- Optional accessories: Ceiling mount, Flexible wall mount, Fixed wall mount User Manual: English, Spanish

Power

• Consumption	390 Watts (color bar)
• Power supply	100-240VAC, 50/60Hz
• Sleep Mode	10 Watts Max.

Product Specifications

• UPC	
• Dimensions	40.9" x 27.2" x 11.3" (WxHxD) with Base
• Dimensions	40.9" x 25.5" x 3.7" (WxHxD) without Base
• Product Weight	68.8 lbs.
• Temperature Range (Operation)	0 degree C to +40
• Temperature Range (Storage)	-5 degree C to +45
• Relative Humidity	20% - 80 %
• Lifetime to 50% brightness	80000 hr

Miscellaneous

• Bezel	Metallic Anthracite
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Warranty

- 1 year parts and labor

Date of issue 2005-03, CCM-251

Specifications are subject to change without notice
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Product highlights

Network Controllability: RS232

Network controllability is system by which IT staff can control and adjust monitors remotely through the RS232 protocol.

HDTV Signal Compatible

This display is capable of accepting 1080i and 720p HDTV signals via an external HDTV decoder with RGB or Components Video outputs.

VGA Loop Through

In case more than one screen needs to share the same input signal, VGA loop through offers a cost effective solution in which the VGA input signal is amplified and made available on a VGA output connector which can be connected to the next monitor.

3D Combfilter

The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field by field comparisons of the television image to accurately separate the color 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.

3:2 Pulldown

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

Motion Adaptive de-interlacing

This smart de-interlacing algorithm is able to detect the type of video source (such as Still Picture, Motion Picture or Film) and automatically optimize the de-interlacing process with Spatial, Temporal or Film mode de-interlacing. The result is that it delivers razor sharp and stable images every time.

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.

Wide Choice of Connectivity

Versatile public display solutions require versatile analogue and digital connectivity.

Picture In Picture (PIP)

Provides the ability to watch simultaneously two different sources, either two video sources or a combination with data/graphics.

Portrait Mounting Possible

Some public display applications require portrait mounting. This display is also prepared for save and reliable mounting in portrait position.

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 higher than 50% of the initial value.

