HD ready

3D DIGITAL COMBFILTER

PORTRAIT

Lead Free!

PIP PICTURE-IN-PICTURE

High Resolution Public Display

42" Wide XGA Plasma Monitor

State of the art, cost effective plasma monitor specially designed for indoor public display applications. The high class scaler, advanced digital video processing and the latest plasma technology guarantee optimal display of your message.

Optimised for public viewing
- HD ready for the highest quality display of HDTV signals
- Motion compensated deinterlacing
- PiP allows watching a second source simultaneously
- 3:2 Pulldown eliminates artefacts when watching movies
- 3D comb filter separates colours for a razor-sharp image

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

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

PHILIPS

sense and simplicity

plasma monitor
42" XGA

Specifications

Picture / Display
- Display screen type: XGA Plasma panel
- Panel size: 42" / 106.7cm
- Aspect ratio: 16:9
- Panel resolution: 1024 x 768
- Effective viewing area: 920 x 518mm
- Pixel pitch: 0.900 x 0.676 mm
- Brightness: 1000 cd/m²
- Contrast ratio (typical): 5000:1
- Display colours: 16.7 million colours
- Viewing Angle (H / V): >160 / >160 degree
- Horizontal scanning frequency: 30-80 kHz
- Vertical scanning frequency: 50 - 85 Hz
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D combfilter, Motion compensated deinterlacing, Picture by Picture, Picture in Picture, Progressive scan

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 72, 75Hz
800 x 600	60, 72, 75Hz
848 x 480	60Hz
1024 x 768	60, 70, 75Hz
1280 x 1024	60Hz

- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576p	50Hz
576i	50Hz
720p	50, 60Hz
1080i	50, 60Hz

Connectivity
- PC: DVI-D with HDCP, RS232 D-Sub9, VGA-in D-Sub 15HD
- Audio input for PC: Audio Left/Right (RCA 2x)
- Audio input for DVI: Audio Left/Right (RCA 2x)
- AV input: Component (YPbPr) x1, Audio (L/R) for YPbPr x1, Composite (CVBS) x1, Audio (L/R) x1, S-video x1, Scart 2x
- AV output: Composite (CVBS) x1, Audio (L/R) x1
- Audio output: Speaker output 2x 6.3mm jack

Convenience
- Convenience enhancements: On screen display

- Monitor controls: Left / right, Menu (OK), Power on / off, Source Select, Up / down, Volume control
- OSD languages: English, French, German, Italian, Spanish, Dutch
- Built-in audio: Built-in amplifier and 10 Watts RMSx2 stereo speakers
- Network controllable: RS232
- Screen saving functions: Pixel shift, Image reverse
- Teletext: 1000 page Smart Text
- Placement supported: Portrait, Landscape
- Regulatory approvals: CE Mark, RoHS

Power
- Consumption: 300 Watts (typical)
- Power supply: 100-240VAC, 50/60Hz
- Sleep mode: 5 Watts Max.

Dimensions
- Dimensions (without base) (W x H x D): 1028 x 625 x 89.8 mm
- Set dimensions in inch (W x H x D): 40.472 x 24.606 x 3.535 inch
- Product weight: 31 kg
- Product weight (lbs): 68.343
- Lifetime to 50% brightness: 60000 hr
- Temperature (operation): 0°C to +40°C
- Temperature (storage): -20°C to +60°C
- Temperature range (operation): +32°F to +104°F
- Temperature range (storage): -4°F to 140°F
- Relative humidity: 20% - 80 %

Accessories
- Included accessories: Table top stand, DVI-D cable, VGA cable, Remote control, Battery, AC power cord
- Optional accessories: Ceiling mount BM04111&BM01111, Fixed wall mount BM02111, Flex wallmount BM04111&BM02212
- User Guide on CD-ROM: (RS232 protocol included)
- User manual: English,German,French,Spanish,Italian

Miscellaneous
- Bezel: Metallic Anthracite

Product 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 a 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 60Hz.

Motion compensated 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 creates new fields with corrected motion positions so video content has perfectly smooth, judder-free and razor-sharp moving images.

Picture In Picture (PIP)
Provides the ability to watch simultaneously two different sources, either two video sources or a combination with data/graphics

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 comb filter separates brightness and colour signals better in 3D domain to eliminate cross-colour, cross-luminance and dot-crawl distortion. The 3D digital comb filter 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 you 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 a given screen resolution. A high class scaler guarantees optimal reformatting of any video format up to SXGA.
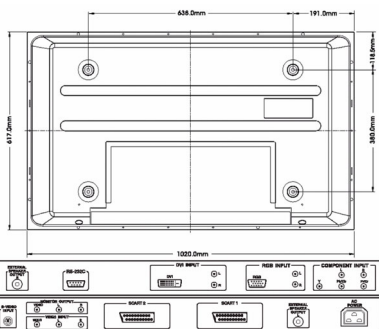
Fanless operation
A system without fans is quiet and doesn't collect dust inside the monitor. No moving parts inside the monitor will thus improve the reliability of the product.

Long panel lifetime expected
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.

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

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