Multi-Purpose Public Display Solution

42" Wide VGA Plasma Monitor

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

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

Lower total cost of ownership
- Extensive accessory package
- 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
- Extremely high contrast (10000:1) and brightness (1500 cd/m²)
- Motion compensated deinterlacing

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Highlights

Extensive accessory package

This display is equipped as standard with an accessory package that includes a remote control, user manual, DVI and VGA cables, a table top stand (feet) and (detachable) speakers.

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.

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.

Extremely high contrast

High brightness and contrast values are extremely beneficial in public environments where lighting conditions are variable and often beyond control.

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.

Built-in TV tuner

Some applications need more than PC inputs. The RF tuner for television signal reception and the video connectors, including s-video, scart and component video, offer a wide

choice of input possibilities for multiple devices.

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.

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.

Fanless operation

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

Lead Free

Portrait Mounting

Specifications

Connectivity
- Audio output: Speaker output 2 x 6.3 mm jack
- PC: DVI-D x 1, 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
- Other connections: Antenna IEC75
- Audio input for PC: Audio Left/Right (RCA 2 x)
- Audio input for DVI: Audio Left/Right (RCA 2 x)

Picture/Display
- Panel Size: 42"/106.7 cm
- Aspect ratio: 16:9
- Panel resolution: 852 x 480p
- Pixel pitch: 1.08 x 1.08 mm
- Brightness: 1500 cd/m²
- Display colours: 16.7 million colours
- Contrast ratio (typical): 10000:1
- 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: 920 x 518 mm
- Display screen type: WVGA 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): 240 Watts (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
- Video formats: 480i, 60 Hz, 480p, 60 Hz, 576p, 50 Hz, 576i, 50 Hz, 720p, 50, 60 Hz, 1080i, 50, 60 Hz
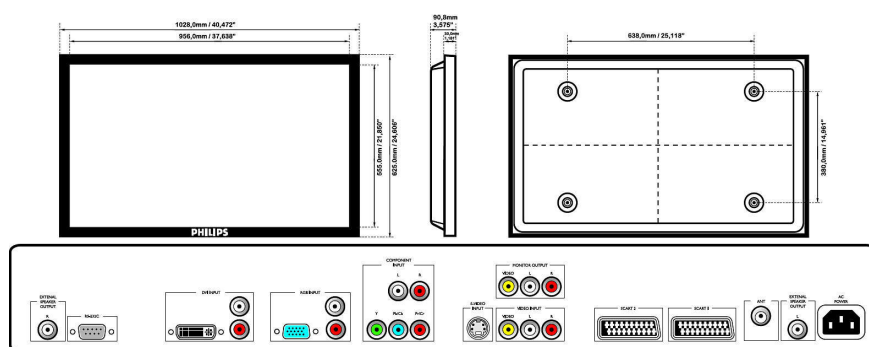
Dimensions
- Lifetime to 50% brightness: 60000 hour(s)
- Product weight: 29 kg
- Set Width (inch): 40.472 inch
- Temperature range (operation): +32°F to +104°F
- Set Height (inch): 24.606 inch
- Temperature range (storage): -4°F to 140°F
- Set Depth (inch): 3.535 inch
- Product weight (lb): 63.934 lb
- Relative humidity: 20% - 80%
- Depth (without base): 89.8 mm
- Width (without base): 1028 mm
- Height (without base): 625 mm
- Temperature (operation): 0°C to +40°C
- Temperature (storage): -20°C to +60°C

Tuner/Reception/Transmission
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- TV system: PAL, SECAM
- Video Playback: NTSC, PAL, SECAM

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)

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