Multi-Purpose Public Display Solution

107 cm (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.

Optimized for public viewing
• Motion compensated deinterlacing
• Extremely high contrast (10000:1) & brightness (1500 cd/m²)
• 3D combfilter separates colors for a razor-sharp image

Lower total cost of ownership
• Extensive accessory package
• Advanced anti burn-in functions to prevent ghost images
• Long expected panel lifetime of over 60.000 hours

Operational flexibility for different applications
• Remote Management and Configuration via RS232
• Built-in TV tuner
• Multiple PC input formats up to WXGA
• Multiple video input formats up to SXGA and HDTV compatible
• Quiet and reliable fanless operation

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Highlights

Extensive accessory package

This display is standard equipped 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 creates 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.

Remote Management:: RS232

Remote Management allows the user to control and adjust the displays remotely via the RS232 protocol. Using CEC commands, you are able to have full control over all the displays in your signage network at any time.

Built-in TV tuner

Some applications have the need for more than PC inputs. The RF tuner for television signal reception and the video connectors like 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 60000 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.

Portrait Mounting

COMBFILTER 3D

Lead Free

Specifications

Picture/Display
- Display screen type: WVGA Plasma panel
- Panel Size: 42" / 106.7cm
- Aspect ratio: 16:9
- Panel resolution: 852 x 480p
- Effective viewing area: 920 x 518mm
- Pixel pitch: 1.08 x 1.08 mm
- Brightness: 1500 cd/m²
- Contrast ratio (typical): 10000:1
- Display colors: 16.7 Million colors
- 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 compens. deinterlacing, 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 x1, 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
- Other connections: Antenna IEC75

Convenience
- User convenience: 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
- Teletext: 1000 page Smart Text
- Placement: Portrait, Landscape
- Regulatory approvals: CE Mark, RoHS

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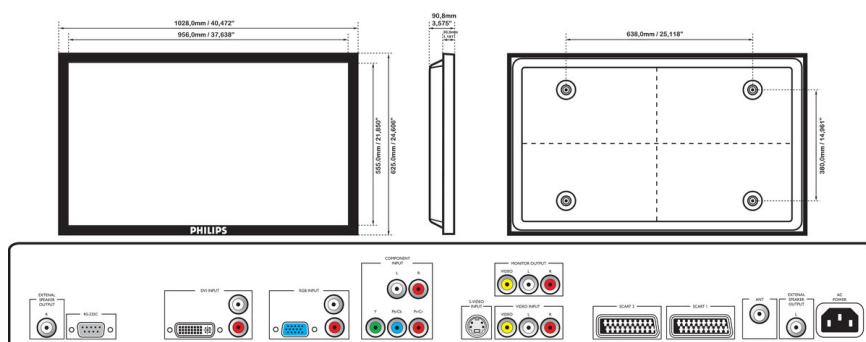- Video Playback: NTSC, PAL, SECAM

Power
- Consumption (On mode): 240 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: 29 kg
- Product weight (lb): 63.934 lb
- 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, Fixed wall mount, Flexible wall mount
- User Guide on CD-ROM: (RS232 protocol included)
- User Manual: English,German,French,Spanish,Italian

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