Multi-Purpose Public Display Solution

42" Wide VGA Plasma Monitor

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

Operational flexibility
- Multiple PC input formats up to WXGA
- Wide choice of analog and digital connectivity
- Monitor is network controllable for remote management
- Portrait mode operability
- Quiet and reliable fanless operation
- VGA loop through to daisy chain other monitors

Optimised for public viewing
- High brightness (1000cd/m²) and 3000:1 contrast ratio
- Motion Adaptive De-interlacing for razor sharp images
- PiP allows watching a second source simultaneously

Lower total cost of ownership
- Long expected panel lifetime of over 60,000 hours
- Advanced anti burn-in functions to prevent ghost images

PHILIPS
sense and simplicity
### Specifications

**Picture/Display**
- **Panel Size**: 42" / 106.7cm
- **Aspect ratio**: 16:9
- **Panel resolution**: WVGA (854 x 480 pixels)
- **Pixel pitch**: 1.08 x 1.08 mm
- **Brightness**: 1000 cd/m²
- **Brightness (nits)**: 100 nits
- **Contrast ratio (typical)**: 3000:1
- **Display colours**: 16.7 million colours
- **Viewing angle**: 160º (H) / 160º (V)
- **Horizontal Scanning Frequency**: 15 - 91 kHz
- **Viewing angle**: 160º (H) / 160º (V)
- **Vertical Scanning Frequency**: 50 - 85 Hz
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- **Picture enhancement**: Picture in Picture
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**Supported Display Resolution**
- **Computer formats**
  - Resolution: Refresh rate
    - 1280 x 1024: 60Hz
    - 1152 x 870: 75Hz
    - 1024 x 768: 60, 70, 75, 85Hz
    - 800 x 600: 56,60,72,75,85Hz
    - 848 x 480: 60Hz
    - 640 x 480: 50,60,67,72,75,85Hz
    - 720 x 400: 70Hz
- **AV formats**
  - Component (YPbPr) x1
  - Audio (L/R) for TV
- **PC**: RS232 D-Sub9, DVI-D x1, VGA-in D-Sub

**Connectivity**
- **PC**: RS232 D-Sub9, DVI-D x1, VGA-in D-Sub
- **Audio input for PC**: Audio Left/Right (RCA 2x)
- **AV input**: Component (YPbPr) x1, Audio (L/R) for YPbPr
- **Screen saving functions**: Full white, pixel shift
- **OSD Languages**: English, French, German, Italian, Spanish
- **Built-in Audio**: Built-in amplifier and 5 Watts RMSx2 stereo speakers
- **Picture in Picture**: Picture in Picture

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- **Picture in Picture**: Picture in Picture
- **Display colours**: 16.7 million colours
- **Viewing angle**: 160º (H) / 160º (V)
- **Video formats**
  - **VGA**: 640 x 350: 70Hz
  - **MAC**: 832 x 624: 75Hz
  - **WVGA**: 852 x 480: 60Hz
- **Supported Display Resolution**
  - **Computer formats**
    - Resolution: Refresh rate
      - 1280 x 1024: 60Hz
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**Accessories**
- **Included Accessories**: AC Power Cord, Remote control, Battery, Table top stand, VGA cable
- **User Guide on CD-ROM
- **User Manual**: Eng, Ger, Dut, Fre, Spa, Ita
- **Optional accessories**: Ceiling mount, Flexible wall mount, Fixed wall mount

**Miscellaneous**
- **Bezel**: Metallic Antracite

### Product highlights

**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.

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

**Portrait mounting possible**
This display is also able to be safely and reliably mounted in portrait position.

**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.

**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.

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

**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 optimise 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.

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

**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.