High Resolution Public Display

127 cm (50") Wide XGA 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
• HDMI input for full digital HD connection in one cable
• High brightness (1500 cd/m²) & contrast (30000:1)
• Motion Adaptive De-interlacing for razor sharp images

Operational flexibility for different applications
• Remote Management and Configuration via RS232
• VGA Loopthrough
• Hidden and lockable control buttons

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

Sustainable and safe
• Complies with RoHS standards to care for the environment

PHILIPS

Highlights

HDMI input

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

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 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.

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.

VGA Loopthrough

Connect multiple displays to create a video wall of up to 150 displays via a VGA daisy chain thus enhancing your visual experience. With no additional hardware required, they are as simple to installl as they are captivating to your audience.

Hidden and control buttons

The local control buttons of the display are placed in such a way that they are less visible for immediate access. Furthermore the remote control sensor as well as the local control buttons can be disabled via RS232 to prevent unauthorized control of the display when placed in a public space.

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.

Compliant with RoHS standards

Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

HD ready   HDMI   LOOP THROUGH   3D DIGITAL COMBFILTER   PIP PICTURE-IN-PICTURE   Portrait Mounting   Lead Free

Specifications

Picture/Display
- Display screen type: WXGA Plasma panel
- Aspect ratio: 16:9
- Panel resolution: 1365 x 768p
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, 3D MA deinterlacing, Picture by Picture, Picture in Picture, Progressive scan, Automatic skin tone correction, Color Enhancement, Noise Reduction
- Viewing angle (H / V): >160 / >160 degree
- Brightness: 1500 cd/m²
- Contrast ratio (typical): 30000:1
- Diagonal screen size: 50 inch / 127 cm
- Display colors: 1.07 Billion colors
- Vertical Scanning Frequency: 50 - 85 Hz
- Pixel pitch: 0.81 X 0.81 mm

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 72, 75Hz
720 x 400	70Hz
800 x 600	60, 72, 75Hz
1024 x 768	60Hz
1360 x 768	60Hz

- Video formats

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

Connectivity
- PC: RS232 D-Sub9, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- Audio input for PC: 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, HDMI x1
- AV output: Composite (CVBS) x1, Audio (L/R) x1
- Audio output: Audio L/R x1, External loudspeaker connector
- Other connections: S/PDIF out (coaxial)

Convenience
- User convenience: On-screen Display
- Network controllable: RS232
- Placement: Portrait, Landscape
- Regulatory approvals: CE Mark, RoHS
- Screen Format Adjustments: 4:3, Subtitle Zoom, Superwide, Widescreen, Zoom 14:9, Zoom 16:9
- Screen saving functions: Pixel shift, Image reverse, low bright

Sound
- Sound System: Mono, Stereo
- Output power (RMS): 2 x 10W

Tuner/Reception/Transmission
- Video Playback: NTSC, PAL, SECAM

Power
- Power supply: 100-240VAC, 50/60Hz
- Consumption (On mode): 400 Watts (typical)
- Standby power consumption: <2W

Technical specifications
- Operating temperature range: 0-40 °C
- Relative humidity range: 20% - 80%

Dimensions
- Set dimensions (W x H x D): 1240 x 753 x 101 mm
- Set dimensions with stand (H x D): 817 x 370 mm
- Box dimensions (W x H x D): 1760 x 1000 x 400 mm
- Product weight: 43.5 kg
- Weight incl. Packaging: 48 kg
- Lifetime to 50% brightness: 60000 hr

Accessories
- Included accessories: VGA cable, Remote Control, AC Power Cord, Batteries for remote control, User manual on CD-ROM
- Optional accessories: Speakers BAH4251S1, Table stand BM05311

Miscellaneous
- Bezel: Metallic Antracite

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