



Philips
plasma monitor

50"
WXGA

BDH5031V

High Resolution Public Display

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.

Optimised 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

- Monitor is network controllable for remote management
- VGA loop through to daisy chain other monitors
- 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 of care for the environment
- Lead-free design safeguards our environment

PHILIPS

sense and simplicity

Highlights

HDMI input

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analogue 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 backwards-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 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.

Network controllability: RS232

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

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

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 and the local control buttons can be disabled via RS232 to prevent

unauthorised 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 60,000 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.

Lead-free

Lead-free display products are designed and produced in compliance with strict European Community Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.



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, Colour 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 colours: 1.07 Billion colours
- 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	70 Hz
800 x 600	60, 72, 75Hz
1024 x 768	60 Hz
1360 x 768	60 Hz

Video formats

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

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 supported: 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 10 W

Tuner/reception/transmission

- Video Playback: NTSC, PAL, SECAM

Power

- Power supply: 100-240 VAC, 50/60 Hz
- 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: 60,000 hr

Accessories

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

Miscellaneous

- Bezel: Metallic Anthracite



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