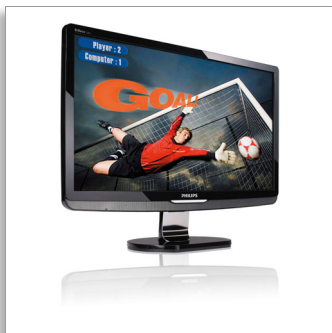**Philips Brilliance
LCD monitor**

58 cm (23") w C-line
Full HD

230C1HSB

Ultimate HDMI LCD for Full-HD multimedia enjoyment

Experience brilliant performance with this stylishly glossy and stunning Full HD 1080p display! Immerse yourself in the multimedia experience with superb features like HDMI input, powerful front stereo audio, USB port and 2ms response time.

Best picture quality
- Full HD LCD display, 1920x1080p resolution
- SmartResponse of 2ms
- SmartContrast12000:1 for incredible rich black details
- SmartImage: Optimized user-friendly display experience
- TrueVision: Laboratory quality display performance

Designed for elegance
- Chic dual-tone and high gloss design enhance your home decor

Experience true multimedia
- HDMI-ready for top quality, multimedia experience
- Built in stereo audio for multimedia experience

Great convenience
- Easy picture format control switching in wide and 4:3 format
- USB port to enhance multimedia experience

PHILIPS

Highlights

Full HD 1920x1080p LCD display

Enjoy crisp and crystal clear picture quality to give your audience a truly memorable visual experience. Your viewers will be treated to unsurpassed video, with an amazing color gamut and the sharpest pictures around.

SmartResponse - 2ms

2ms GtG response time   > 2ms GtG response time

SmartResponse is a exclusive Philips overdrive technology that when turned on, automatically adjusts response times to specific application requirements like gaming and movies which require faster response times in order to produce judder, time-lag and ghost image free images

SmartContrast ratio 12000:1

With Dynamic
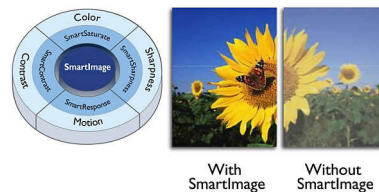contrast ratio 12000   < contrast ratio 12000

You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent blacklevel and accurate rendition of dark shades and colors. It gives a bright, lifelike picture with high contrast and vibrant colors.

TrueVision

TrueVision On   TrueVision Off

TrueVision is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of color accuracy and display quality in every new monitor.

SmartImage

With
SmartImage   Without
SmartImage

SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Image, Entertainment, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option

offers you major power savings. All in real time with the press of a single button!
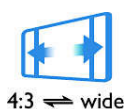
HDMI Ready

HDMI-ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

USB port for multimedia

Desktop productivity devices   Mobile productivity tool

Digital camera   USB Flash memory HD   Keyboard

USB HD   USB HUB   Skype phone

Connection to PC for
accessories and peripherals

PDA Cradle   Printer   Web CAM

The universal serial bus or USB is a standard protocol for linking PCs and peripherals. Because it delivers high speed at a low cost, USB has become the most popular method for connecting peripheral devices to a computer. A port located on a monitor directly in the user's line of sight provides easy, high-speed connectivity for USB devices at a convenient location. (USB 2.0 support is dependent on your PC's USB configuration; when connected to a PC that supports USB 2.0, your monitor is USB 2.0 compatible)

Specifications

Connectivity
- Signal Input: VGA (Analog), DVI-D, HDMI
- USB: USB 2.0 x 1
- Sync Input: Separate Sync, Sync on Green
- HDMI features: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p (support HDCP)

Picture/Display
- Panel Size: 23 inch/58.42 cm
- Aspect ratio: 16:9
- LCD panel type: TFT-LCD
- Pixel pitch: 0.265 x 0.265 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 300 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 12000:1
- Response time (typical): 5 ms
- Viewing angle: 170° (H) / 160° (V), @ C/R > 10
- SmartResponse: 2 ms (Gray to Gray)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB

Convenience
- Plug & Play Compatibility: DDC/CI, Windows 98/2000/XP/Vista, sRGB
- Built-in Audio: 2W x 2
- User convenience: SmartImage, Volume, Menu, Input, Auto, Power On/Off
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese, Turkish
- Other convenience: Kensington lock

Stand
- Tilt: -5/20 degree

Power
- Power supply: Built-in, 100-240VAC, 50/60Hz
- Off mode: < 0.5 W
- On mode: < 50 W (typ.)
- Power LED indicator: Operation - White, Standby/sleep-white (blinking)

Dimensions
- Product with stand (mm): 547 x 433 x 201 mm
- Packaging in mm (WxHxD): 134 x 495 x 596 mm
- Product without stand (mm): 433 x 547 x 20 mm

Weight
- Product with packaging (kg): 7.3 kg
- Product with stand (kg): 5.6 kg
- Product without stand (kg): 5.2 kg

Operating conditions
- Temperature range (operation): 0 - 40 °C
- MTBF: 50,000 hour(s)
- Relative humidity: 20 - 80 %
- Temperature range (storage): -20 - 60 °C

Sustainability
- Environmental and energy: EPEAT Silver, RoHS, Energy Star

Compliance and standards
- Regulatory Approvals: CE Mark, FCC, Class B, TCO '06, UL/cUL

Cabinet
- Color: Black
- Finish: Glossy