Philips Brilliance
LCD monitor

23"w C-line

Full HD

Brilliance

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

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sense **and** simplicity
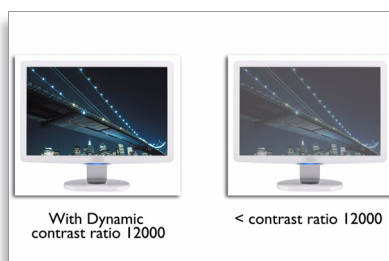
Highlights

Full HD 1920x1080p LCD display

This display has a resolution that is referred to as Full HD. With state-of-the-art LCD screen technology it has the full high-definition widescreen resolution of 1920 x 1080p. It allows the best possible picture quality from any format of HD input signal. It produces brilliant flicker-free pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

SmartResponse - 2ms

Without SmartResponse   SmartResponse

SmartResponse is exclusive Philips technology that adjusts response time to application requirements, delivering faster response times for gaming and videos or better color saturation for viewing photos and static images.
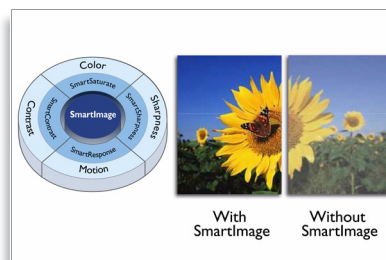
SmartContrast ratio 12000:1

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.

SmartImage

With   Without
SmartImage   SmartImage

SmartImage is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.
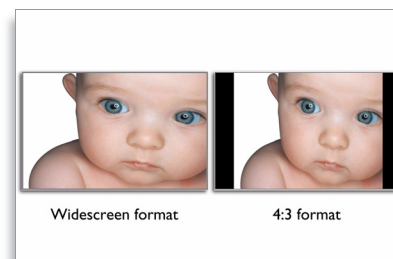
HDMI Ready

HDMI ready

A HDMI-ready device has all the required hardware to accept High-Definition Multimedia

Interface (HDMI) input, high quality digital video and audio signals all transmitted over a single cable from a PC or any number of AV sources including set-top boxes, DVD players and A/V receivers and video cameras.

Auto picture format control

Widescreen format   4:3 format

Philips auto picture format control on OSD is to switch from the 4:3 aspect ratio to the widescreen mode and back again to match the display's aspect ratio with your content for working with wide documents without scrolling or viewing widescreen media in the widescreen mode and distortion-free, native mode display of 4:3 ratio content.

Built-in stereo audio

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

Specifications

Picture/Display

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

Connectivity

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

Convenience

- Built-in Audio: 2W x 2
- User convenience: On-screen Display
- Monitor Controls: Auto (Back), Auto picture (Up), Input (Down), Menu (OK), Power On/Off, SmartImage, Volume control
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese, Turkish
- Regulatory Approvals: CE Mark, Energy Star, FCC Class B, UL/cUL
- Plug & Play Compatibility: DDC/CI, Windows 98, Windows 2000, Windows XP, Windows Vista
- Other convenience: Kensington lock compatible

Stand

- Tilt: -5 to 20 degree

Power

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

Dimensions

- Set dimensions with stand (W x H x D): 547 x 433 x 201 mm
- Set dimensions with stand in inch (W x H x D): 21.53 x 17.04 x 7.9 inch
- Set dimensions (W x H x D): 547 x 351 x 68 mm
- Set dimensions in inch (W x H x D): 21.53 x 13.8 x 2.67 inch
- Box dimensions (W x H x D): 596 x 495 x 134 mm
- Box dimensions in inch (W x H x D): 23.5 x 19.5 x 5.27 inch
- Product weight (+stand): 5.6 kg
- Product weight (+stand) (lb): 12.36 lb
- Weight incl. Packaging: 7.3 kg
- Weight incl. Packaging (lb): 16.1 lb

Operating conditions

- Temperature Range (Operation): 0 - 40 °C
- Temperature Range (storage): -20 - 60 °C
- Relative Humidity: 20 - 80 %
- MTBF: 50,000 hour(s)

Sustainability

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

Cabinet

- Color: Glossy black
- Finish: High gloss

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