



Philips

LCD monitor with SmoothTouch

• 23" / 58.4cm

231C5TJKFU/27

Brilliant interactive display

with SmoothTouch

Get engaged with Philips SmoothTouch display. Groovy touch gestures like tap, grab, pinch, rotate, zoom, swipe brings your apps to life. Interactive touch games get more exciting. Now you can explore the world with 10 fingertips!

Benefits

Brilliant interactive display

- SmoothTouch display for natural, fluid touch response
- IPS LED wide view technology for image and color accuracy
- Play exciting touch games with your friends
- Edge-to-edge glass, 10 point touch for ultimate experience
- Groovy touch gestures brings all your applications to life

Social multimedia

- Webcam and mic keeps you connected with family and friends
- Powerful sound with 2x2 watts RMS speakers

- Optional MHL cable allows for HD video audio playback

Easy to experience

- SmartStand design with maximum lean back for comfortable use
- SmartConnect with DisplayPort, HDMI and VGA connections
- USB 3.0 enables fast data transfers and smart phone charging
- VESA mount for convenience

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Features

SmoothTouch



This Philips display uses latest Projected capacitive 10 point touch technology, with edge to edge glass for fluid response. Used with touch based OS like Windows 8, it offers you groovy touch gestures like tap, grab, pinch, rotate, zoom, swipe, etc. Now you can fully utilize the new capabilities of touch based applications, and bring your older applications to life. Touch-type with 10 fingers, or play exciting interactive games with your friends. Collaborate with colleagues interactively at work or school environment and increase your productivity and efficiency.

SmartStand



This Philips display uses SmartStand with maximum lean back which enables you to use it in various ergonomic positions, like never before. With just under 60 degree lean back position, you can now interact with the display naturally to touch and type. Or you can use it in upright position to sit and do some serious work. With built-in auto return mechanism, this SmartStand offers you a high level of flexibility.

SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multi connections like VGA, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. USB connections ensures that you can have super speed data transfers while having global connectivity. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!

Socialize with webcam

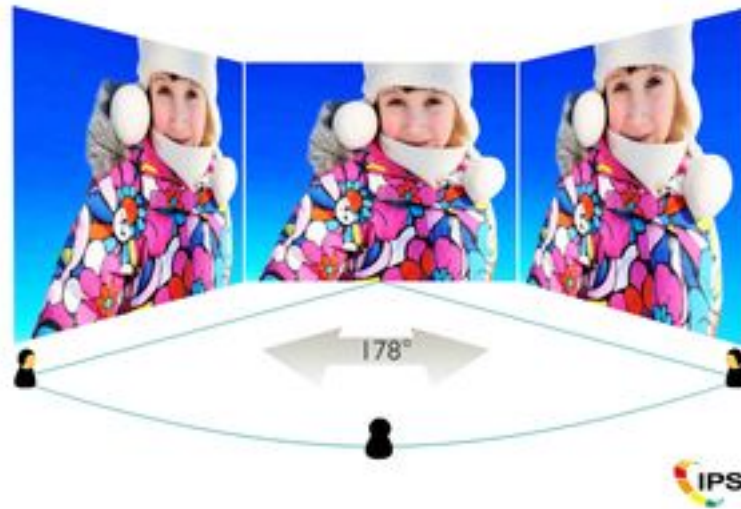
Embedded webcam with superb, bright and crisp images enables you to socialize with your family and friends. Its sensitive microphone ensures that

your voice carries through clearly. You can hear clear audio either from its built in stereo speakers, or attach your own headphones for private conversation. This simple built-in solution ensures that you don't have to tangle with installing camera and positioning microphones anymore.

USB 3.0 super speed

Super Speed USB 3.0 deploys 5.0 gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard significantly reducing data transfer time saving you time and money. With more bandwidth, super speed transfer rates, better power management and superior overall performance, USB 3.0 sets the latest global standard allowing you to use the large capacity storage devices. Sync-N-Go technology ensures you don't have to wait anymore for bandwidth to be freed up. Your investment in USB 2.0 devices is protected as it is backward compatible.

IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

Built-in stereo speakers

Now you can enjoy all your multimedia and social applications with stereo sound. These built in speakers not only sound great, but also helps you to get rid of external wire clutter and save valuable desktop space.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

LCD panel type	IPS LCD with 10 point Touch
Backlight type	W-LED system
Panel Size	23 inch/58.4 cm
Effective viewing area	509.18 (H) x 286.42 (V)
Aspect ratio	16:9
Optimum resolution	1920 x 1080 @ 60 Hz
Response time (typical)	14 ms
SmartResponse (typical)	5 ms (Gray to Gray)
Brightness	300 cd/m ²
Contrast ratio (typical)	1000:1
SmartContrast	20,000,000:1

Pixel pitch	0.265 x 0.265 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Picture enhancement	SmartImage
Display colors	16.7 M
Scanning Frequency	30 - 90 kHz (H) / 56 -75 Hz (V)
MHL	Yes
sRGB	Yes

Touch screen capabilities

Input method	Finger or capacitive stylus
Touch method	10 point simultaneous recognition
Touch activation	Via direct USB connection with PC
Multi-touch	Grab

	Rotate		Standby mode- White (blinking)
	Double-tap		External
	Zoom in/out		100-240VAC, 50-60Hz
Single-touch	Flick		
	Scroll		
	Tap		
	Drag		
Glass screen	Tempered		
Surface hardness	>=7H		
Transmission rate	>=88%		
Connectivity			
Signal Input	VGA (Analog)		
	DisplayPort		
	HDMI (digital, HDCP)		
	MHL-HDMI (digital, HDCP)		
USB	USB 3.0 x 2		
Sync Input	Separate Sync		
	Sync on Green		
Audio (In/Out)	PC audio-in		
	Headphone out		
Webcam	1 MP		
Mic in	Yes		
Convenience			
Built-in Audio	2 W x 2		
User convenience	Power On/Off		
	Menu/OK		
	Volume/Up		
	Input/Down		
	SmartImage/Back		
OSD Languages	Brazil Portuguese		
	Czech		
	Dutch		
	English		
	Finnish		
	French		
	German		
	Greek		
	Hungarian		
	Italian		
	Japanese		
	Korean		
	Polish		
	Portuguese		
	Russian		
	Simplified Chinese		
	Spanish		
	Swedish		
	Traditional Chinese		
	Turkish		
	Ukranian		
Other convenience	Kensington lock		
	VESA mount (75x75mm)		
Plug & Play Compatibility	DDC/CI		
	Mac OS X		
	sRGB		
	Windows 7		
	Windows 8		
Stand			
Tilt	12~57.5 degree		
Power			
On mode	26.27 W (typ.)		
Standby mode	0.5 W (typ.)		
Off mode	0.3 W (typ.)		
Power LED indicator	Operation - White		
		Power supply	
			Standby mode- White (blinking)
			External
			100-240VAC, 50-60Hz
Dimensions			
	Product with stand (mm)	563 x 406 x 72 mm	
	Product with stand in inch	22.2 x 16.0 x 2.8 inch	
	Product without stand (mm)	563 x 370 x 45 mm	
	Product without stand in inch	22.2 x 14.6 x 1.8 inch	
	Packaging in mm (WxHxD)	619 x 479 x 125 mm	
	Packaging in inch (WxHxD)	24.4 x 18.9 x 4.9 inch	
Weight			
	Product with stand (kg)	5.16 kg	
	Product with stand (lb)	11.35 lb	
	Product without stand (kg)	4.80 kg	
	Product without stand (lb)	10.56 lb	
	Product with packaging (kg)	7.07 kg	
	Product with packaging (lb)	15.55 lb	
Operating conditions			
	Temperature range (operation)	0 to 40 °C	
	Temperature range (storage)	-20 to 60 °C	
	Relative humidity	20%-80 %	
	Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)	
	MTBF	30,000 hour(s)	
Sustainability			
	Environmental and energy	RoHS Lead-free Mercury Free	
	Recyclable packaging material	100 %	
Compliance and standards			
	Regulatory Approvals	BSMI CE Mark cETLus FCC Class B SASO SEMKO TUV/ISO9241-307 WEEE CU TCO certified	
Cabinet			
	Front bezel	Cool Gray	
	Rear cover	Cool Gray	
	Finish	High Glossy (front bezel) / Textured (rear cover)	

- * The touch function requires USB cable connection to your PC. Works only on Touch capable OS and applications like Windows 8, or 7.
- * This Philips display is MHL certified. However, in case your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for direction. The policy of your device manufacturer may require you to purchase their brand specific MHL cable or adapter in order to work
- * Requires optional MHL certified mobile device and MHL cable. (not included) Please check with your MHL device vendor for compatibility.
- * "IPS" word mark / trademark and related patents on technologies belong to their respective owners.



data subject to change
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